STR-D550Z/D650Z/DE605/DE705

SERVICE MANUAL

US Model
STR-D550Z/D650Z/DE605/DE705

Canadian Model
STR-D650Z/DE605/DE705

Australian Model

E Model
STR-DE705

Photo : STR-DE705

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SPECIFICATIONS

Audio power specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 20 - 20,000 Hz, STR-DE705/STR-D650Z rated 120 watts, STR-DE605/STR-D550Z rated 100 watts per channel, minimum RMS power, with no more than 0.3 % total harmonic distortion from 250 milliwatts to rated output. (US model only)

Amplifier section

POWER OUTPUT

Stereo mode 8 ohms 20 Hz - 20 kHz,
STR-DE705/STR-D650Z:
120 W + 120 W
STR-DE605/STR-D550Z:
100 W + 100 W

Surround mode	8 ohms at 1 kHz, THD 0.8 %	
	STR-DE705 STR-D650Z	**STR-DE605 STR-D550Z**
Front	120 W/ch	100 W/ch
Center (only in the DOLBY SUR and THEATER modes)	120 W	100 W
Rear	50 W/ch	50 W/ch

Dynamic power output
STR-DE705/STR-D650Z:
160 W + 160 W, 8 ohms
225 W + 225 W, 4 ohms
STR-DE605/STR-D550Z:
155 W + 155 W, 8 ohms
220 W + 220 W, 4 ohms

Harmonic distortion at rated output Less than 0.3 %

Frequency response
PHONO: RIAA equalization curve ±0.5 dB
CD, TAPE, DAT/MD, VIDEO 1, 2,:
10 Hz - 50 kHz $^{+0}_{-1}$ dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO (MM)	2.5 mV	50 kilohms	75 dB** (A, 2.5 mV)
CD	200 mV		
TAPE, DAT/MD, VIDEO 1, 2, TV	150 mV	50 kilohms	82 dB** (A, 250 mV)

** '78 IHF

— Continued on page 2 —

FM STEREO/FM-AM RECEIVER

SONY

Outputs	REC OUT VIDEO 1, 2 (AUDIO) OUT: Voltage 150 mV, Impedance 10 kilohms MIX OUT Voltage: 2 V Impedance: 1 kilohms HEADPHONES: Accepts low and high impedance headphones
Muting	– 20 dB
BASS BOOST	+10 dB at 70 Hz
TONE	±8 dB at 100 Hz and 10 kHz

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna terminals	75 ohms, unbalanced
Sensitivity	Mono: 18.3 dBf, 4.5 µV Stereo: 38.3 dBf, 45 µV
Usable sensitivity	11.2 dBf, 2 µV (IHF)
S/N	Mono: 76 dB Stereo: 70 dB
Harmonic distortion at 1 kHz	Mono: 0.3 % Stereo: 0.5 %
Separation	45 dB at 1 kHz
Frequency response	30 Hz - 15 kHz $^{+0.5}_{-2}$ dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	With 10 kHz interval*: 530 - 1710 kHz With 9 kHz interval: 531 - 1710 kHz
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5 % (50 mV/m, 400 kHz)
Selectivity	At 9 kHz: 35 dB At 10 kHz: 40 dB

* You can change the AM tuning interval to 9 kHz. After tuning in any AM station, turn off the receiver. Hold down the PRESET TUNING + button and press the POWER button. All preset stations will be erased when you change the interval. To reset the interval to 10 kHz, repeat the procedure.

Video section

Inputs	VIDEO 1, 2, TV: 1 Vp-p 75 ohms
Outputs	VIDEO 1, 2, MONITOR: 1 Vp-p 75 ohms

General

System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complimentary SEPP
Power requirements	Australian model: 240 V AC, 50 Hz US, Canadian, E model : 120 V AC, 60 Hz
Power consumption	STR-DE705/STR-D650Z: US, E model : 230 W Canadian model: 325 VA Australian Model: 230 W STR-DE605/STR-D550Z: US, E model : 220 W Canadian model: 320 VA
AC outlets	Australian model: 1 switched, total 100 W US, Canadian, E model : 2 switched, total 120 W
Dimensions	430 x 157 x 355 mm (17 x 6 1/4 x 14 inches)
Mass (Approx.)	STR-DE705/STR-D650Z: 10.0 kg (22 lb 1 oz) STR-DE605/STR-D550Z: 9.7 kg (22 lb 7 oz)
Supplied accessories	FM wire antenna (1) AM loop antenna (1) Remote commander (remote) (1) Size AA (R6) batteries (2) Audio/Video cable (1) (US and Canadian and E STR-DE705 only) Control S cord (1) (US and Canadian and E STR-DE705 only)

Design and specifications are subject to change without notice.

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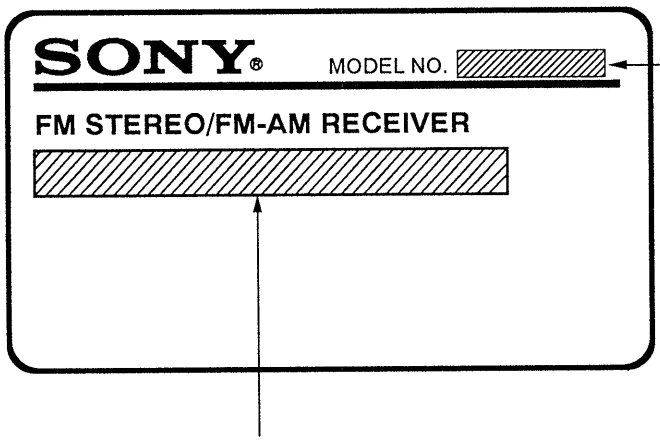
MODEL IDENTIFICATION

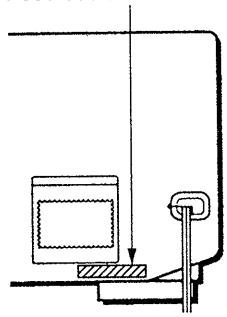


STR-D550Z
STR-D650Z
STR-DE605
STR-DE705

US, Canadian model : AC 120V 60Hz
Australian model : AC 240V~50Hz

– BACK PANEL –

4-981-655-0☐ : DE705 : US
4-981-655-1☐ : DE705 : CND
4-981-655-2☐ : DE705 : AUS
4-981-655-3☐ : DE605 : US
4-981-655-4☐ : DE605 : CND
4-981-655-5☐ : D650Z : US
4-981-655-6☐ : D650Z : CND
4-981-655-7☐ : D550Z



● For detailed E model of refer to US model.

Note :
• Abbreviation
CND : Canadian model
AUS : Australian model

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

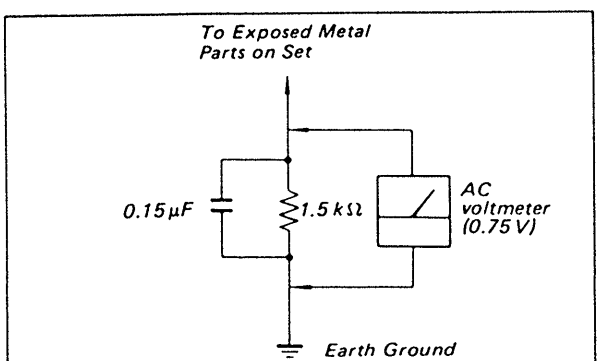
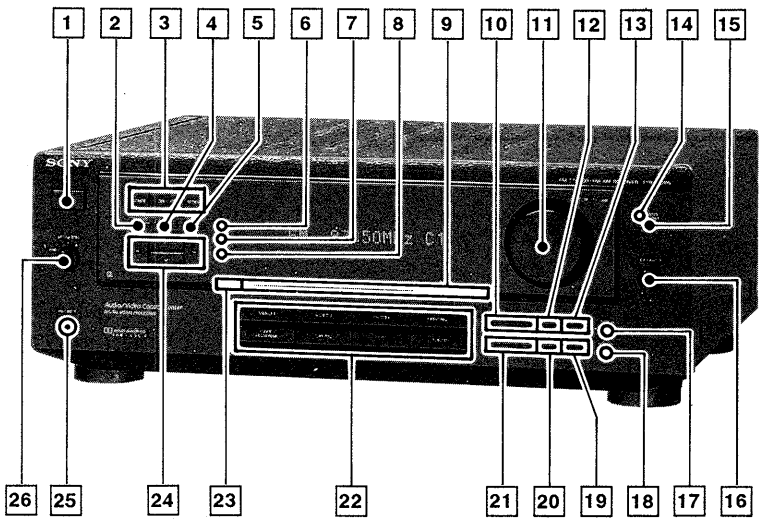


Fig. A. Using an AC voltmeter to check AC leakage.

SECTION 1
GENERAL

LOCATION AND FUNCTION OF CONTROLS

【Front Panel】
Photo : STR-DE705



1 POWER switch

2 TONE ON/OFF switch

3 SOUND FIELD buttons
- GENRE button
- ON/OFF button
- MODE button

4 CENTER MODE switch

5 DPC MODE switch

6 SUR indicator

7 TONE indicator

8 INDEX indicator

9 Preset numbers buttons
- 1 – 0 button

11 MASTER VOLUME control

10 PRESET TUNING buttons
- – button
- + button

12 SHIFT button

13 FM MODE switch

14 BASS BOOST indicator

15 BASS BOOST button

16 BALANCE control

17 DISPLAY button

18 MEMORY button

19 LEVEL switch

20 FM/AM button

21 TUNING/INDEX SELECT buttons
- – button
- + button

22 FUNCTION buttons buttons
- VIDEO 1 button
- VIDEO 2 button
- TV/DBS button
- PHONO button
- TAPE MONITOR button
- DAT/MD button
- CD button
- TUNER button

23 DIRECT button

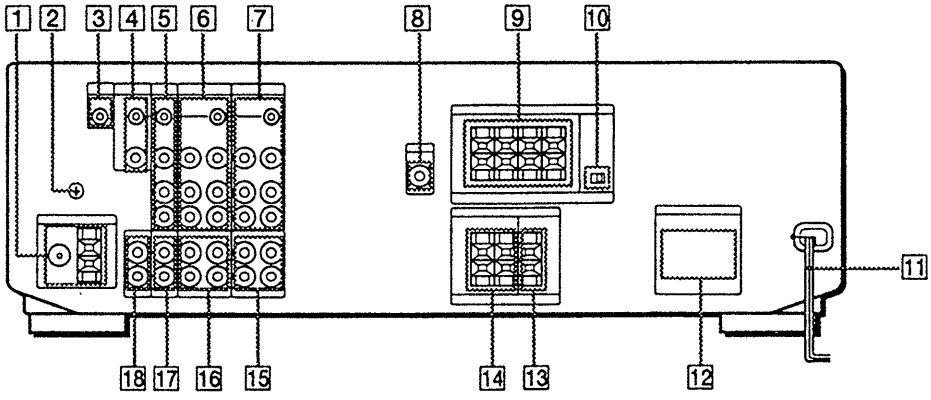
24 Digital processing control buttons
- < button
- ∧ button
- ∨ button
- > button

25 PHONES jack

26 SPEAKERS selector

This section is extracted from instruction manual.

[Rear Panel]



1 ANTENNA (AM/FM)
2 ⏚ ground terminal
3 S-LINK CTRL A1 jack (US and Canadian STR-DE705 only)
4 MONITOR
5 TV/DBS
6 VIDEO 2
7 VIDEO 1
8 MIX OUT
9 FRONT SPEAKERS (A/B)
10 IMPEDANCE SELECTOR (STR-DE705 and STR-D650Z only)
11 AC power cord
12 SWITCHED AC OUTLETs (Outlet shape and position varies according to destination)
13 SURROUND SPEAKERS (CENTER)
14 SURROUND SPEAKERS (REAR)
15 TAPE MONITOR
16 DAT/MD
17 CD
18 PHONO

Remote Button Descriptions

For buttons not described on previous pages and buttons with names different from the buttons on the main unit.

Remote Button	Operates	Function
0-9	Receiver	Selects preset numbers.
	CD player/MD deck/LD player	Selects track numbers. 0 selects track 10.
	TV/VCR	Selects channel numbers.
CH/PRESET +/–	Receiver	Scans and selects preset stations.
	TV/VCR	Selects preset channels.
INDEX	Receiver	Selects station index names for index select tuning.
D. SKIP	CD player	Skips discs (CD player with multi-disc changer only.)
◄◄/►►	CD player	Searches tracks (forward or backward).
	Tape deck/MD deck/VCR/LD player	Fast forwards or rewinds.
⏮/⏭	CD player/ MD deck/LD player	Skips tracks.
⏸	CD player/ Tape deck/MD deck/LD player/VCR	Pauses play or record. (Also starts recording with components in record standby.)
►	CD player/ Tape deck/MD deck/LD player/VCR	Starts play.
■	CD player/ Tape deck/MD deck/LD player/VCR	Stops play.
◄	Tape deck	Starts play on the reverse side.
●	Tape deck	Sets tape decks to the record standby mode.
● + ►	Tape deck/ MD deck/ VCR	Starts recording when pressed with ► (or ◄ on tape deck).

Remote Button	Operates	Function
RMS DIRECTION	Tape deck	Selects tape direction (for tape decks with the RMS* function.)
RMS CLEAR	Tape deck	Clears RMS* program (for tape decks with the RMS function.)
RMS DIRECTION ◄/►	Tape deck	Programs tracks (tape deck with the RMS* function only).
ENTER	TV/VCR	Changes channels when used with 0-9.
TV/VIDEO	TV/VCR	Selects input signal: TV input or video input.
VISUAL POWER	TV/VCR/ LD player	Turns on or off the power.
TV CONTROL ON	TV	Turns on the TV, switches the input to "TV," and sets the remote to operate the TV.
-/- -	TV	Selects the channel entry mode, either one or two digit (in Europe only).
SUB CH +/–	TV	Selects preset channels for the small picture.**
POSITION	TV	Changes the position of the small picture.**
SWAP	TV	Swaps the small and the large picture.**
P IN P	TV	Activates the picture-in-picture function.**
JUMP	TV	Jumps back and forth between the previous and current channels.
ANT TV/VTR	VCR	Selects output signal from the antenna terminal: TV signal or VCR program.
MASTER VOL +/–	TV	Normally, adjusts the master volume of the receiver. If TV CONTROL ON was pressed, it adjusts the volume on the TV.
MUTING	TV	Normally, mutes the sound from the receiver. If TV CONTROL ON was pressed, the sound on the TV itself is muted.
SLOPE	—	Not applicable.
BAND	—	Not applicable.

* RMS: Random Music Sensor

** Only for Sony TVs with the picture-in-picture function

SECTION 2
EXPLANATION OF IC TERMINALS

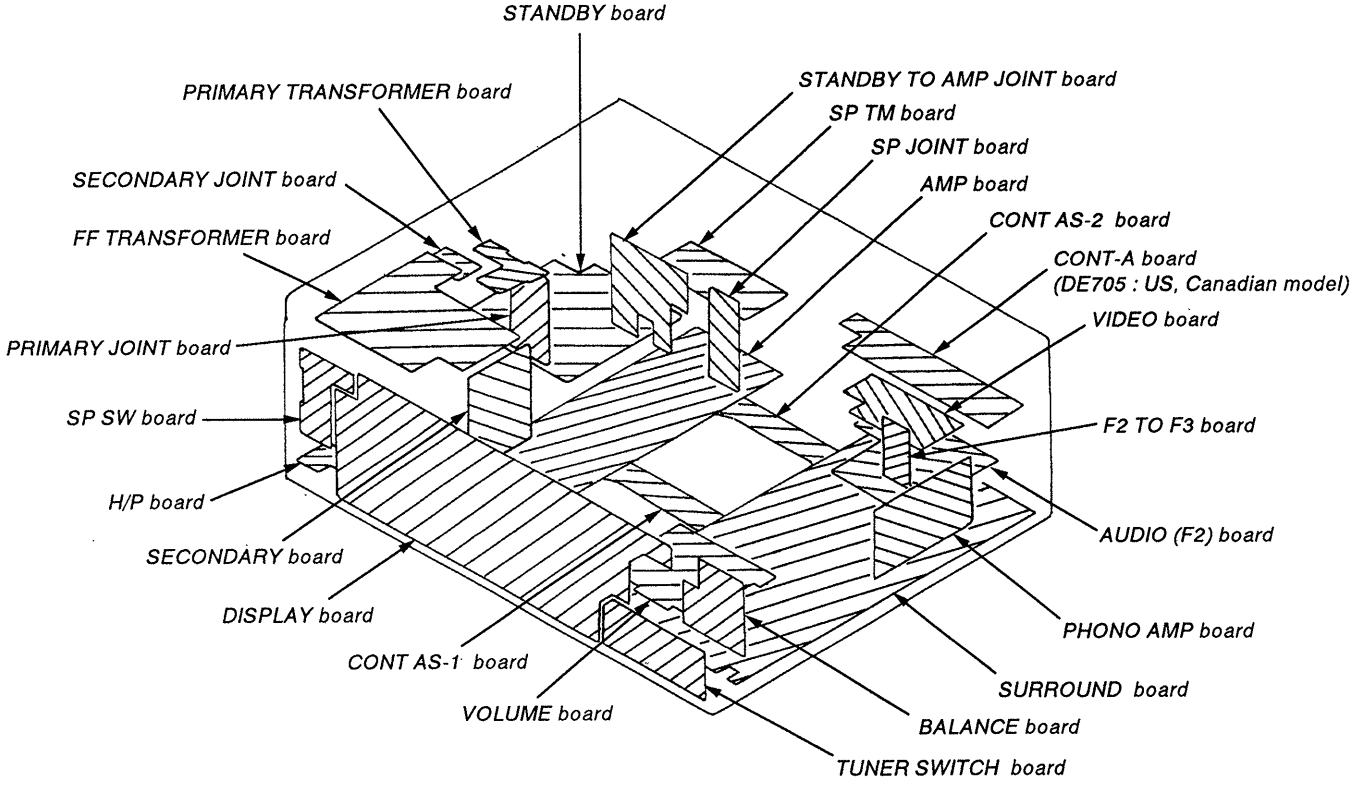
IC104 MB90673PF-G-156 (SYSTEM CONTROL)

Pin No.	Pin name	I/O	Description
1	V-A	O	Video A control.
2	V-B	O	Video B control.
3	KEY-IN	I	key input 1.
4	KEY-IN	I	key input 2.
5	KEY-IN	I	key input 3.
6	KEY-IN	I	key input 4.
7	KEY-IN	I	key input 5.
8	KEY-IN	I	key input 6.
9	KEY-IN	I	key input 7.
10	DATA IN	I	PLL data input.
11	GND	–	Ground.
12	FL-LATCH	O	Fluorescent indicator tube latch output.
13	POWER RY	O	Power relay drive.
14	RM IN	I	SIRCS signal input.
15	BRID RY	O	Bridgiable relay drive.
16	SURR RY	O	Surround relay drive.
17	CENTER RY	O	Center relay drive.
18	SP RY	O	Speaker relay drive.
19	SP-OFF IN	I	Speaker OFF DET.
20	UART	–	Not used. (Ground)
21	UART	–	Not used. (Ground)
22	UART	–	Not used. (Ground)
23	FL-CLR	O	Fluorescent indicator tube latch clear output.
24	FL-DATA	O	Fluorescent indicator tube data output.
25	FL-CLK	O	Fluorescent indicator tube clock output.
26	PROTECT-IN	I	Protect DET input.
27	4-8-IN	I	4-8 input.
28	AVcc-5V	–	Power supply. (+5V)
29	AVREF-5V	–	Reference voltage. (+5V)
30	AVREF-0V	–	Reference voltage. (+5V)
31	GND	–	Ground.
32	AD IN2	I	Tuner key input 2.
33	NC	–	Not used. (Ground)
34	Vss-GND	–	Ground.
35	AD IN1	I	Tuner key input 1.
36	ST-BY	O	Standby LED drive.
37	VRLED	O	Volume LED drive.
38	VOL +	O	Volume + control.
39	VOL –	O	Volume – control.
40	PULL UP	–	Pull up terminal.

Pin No.	Pin name	I/O	Description
41	5V	–	+5V.
42	5V	–	+5V.
43	GND	–	Ground.
44	5V	–	+5V.
45	STOP	I	Stop input.
46	NC	–	Not used. (Ground)
47	NC	–	Not used. (Ground)
48	NC	–	Not used. (Ground)
49	CTRAIN	I	Control A input.
50	TV	I	TV input.
51	VIDEO1	I	Video 1 input.
52	VIDEO2	I	Video 2 input.
53	KEY-OUT	O	Key output.
54	KEY-OUT	O	Key output.
55	KEY-OUT	O	Key output.
56	KEY-OUT	O	Key output.
57	KEY-OUT	O	Key output.
58	KEY-OUT	O	Key output.
59	CTRAOUT	O	Control A output.
60	V-E	O	Video E control.
61	S-OUT	O	Status output.
62	RESET	I	System reset input.
63	Vss-GND	–	Ground.
64	OSC	I	System clock OSC. (4MHz)
65	OSC	O	System clock OSC. (4MHz)
66	Vcc-5V	–	Power supply. (+5V)
67	T-LATCH	O	Tone latch output.
68	S-LATCH	O	Surround latch output.
69	S-MUTE	O	Surround mute output.
70	F-MUTE	O	Function mute output.
71	SW3-1	–	Not used. (Ground)
72	BASS BOOST	O	Bass boost drive.
73	POWER KEY IN	I	Power key input.
74	LED-DATA	O	LED data output.
75	CLK	O	Serial clock output.
76	DATA	O	Serial data output.
77	PLL-LATCH	O	PLL latch output.
78	A STOP	I	Auto stop DET input.
79	TUNER-MUTE	O	Tuner mute control output.
80	STEREO	I	Stereo DET input.

SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION

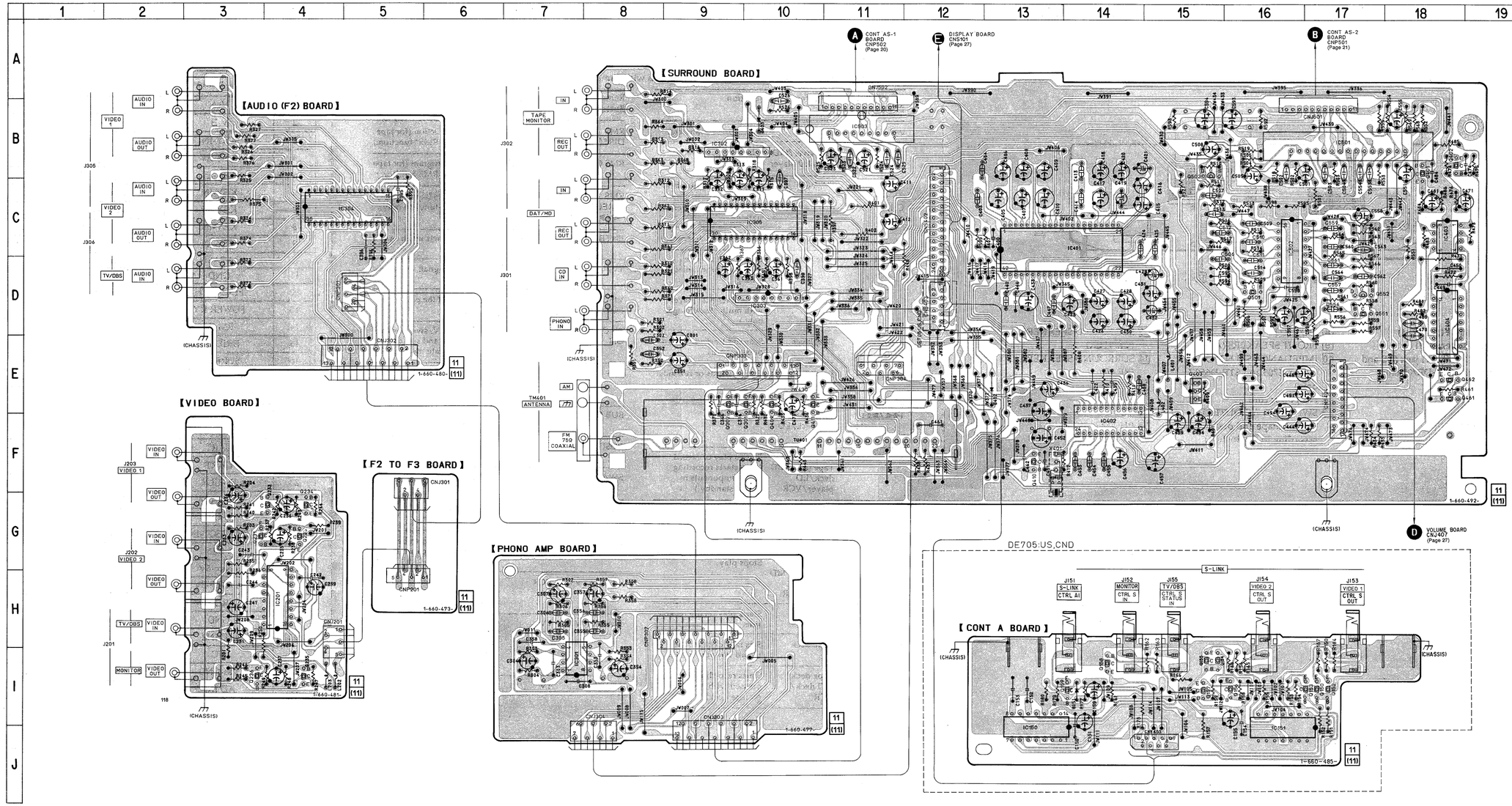


• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D151	I - 14	Q156	I - 16
D401	F - 15	Q157	I - 15
D402	E - 13	Q158	I - 14
D403	B - 10	Q159	I - 14
		Q231	G - 3
IC150	J - 13	Q232	G - 4
IC151	I - 16	Q233	G - 4
IC201	H - 4	Q234	G - 4
IC301	I - 7	Q235	I - 4
IC302	B - 9	Q236	I - 3
IC303	D - 10	Q301	E - 10
IC304	C - 5	Q302	E - 9
IC305	C - 10	Q401	F - 13
IC401	C - 14	Q402	C - 18
IC402	F - 14	Q403	E - 15
IC403	D - 18	Q409	E - 10
IC404	E - 18	Q410	F - 13
IC501	B - 17	Q411	E - 10
IC502	C - 6	Q461	F - 18
IC503	B - 11	Q462	F - 18
		Q501	D - 16
Q150	J - 17	Q502	B - 15
Q152	J - 17	Q551	E - 17
Q153	J - 17	Q552	D - 17
Q154	I - 15		
Q155	I - 15		

Note:

- ○— : parts extracted from the component side.
- △ : internal component.
- ▒▒▒ : Pattern from the side which enables seeing. (The other layers' patterns are not indicated)
- For detailed E model of refer to US model.
- Abbreviation
  CND : Canadian
  AUS : Australian



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

A B C D E F G H I J K L M

【VIDEO BOARD】

【AUDIO (F2) BOARD】

【F2 TO F3 BOARD】

【CONT A BOARD】

【PHONO AMP BOARD】

【SURROUND BOARD】

DE705:US, CND

IC201 CX20130GN FUNCTION SWITCH

IC304 LC7822 INPUT SELECTOR

IC301 NJM2068F EQ AMP

IC302 NJM2068F BUFFER

IC305 INPUT SELECTOR

IC303 NJM2068F BUFFER

TU401 TUNER UNIT

IC150 NJM2229 SIRCS IN/OUT SELECTOR

IC151 LM324A BUFFER

IC501 STK392-130 FRONT POWER AMP

IC502 STK392-230 VOLUME/TONE/ BALANCE

IC503 STK392-230 POWER AMP

IC401 CX481 68PIN DOLBY SURROUND DECORDER

IC402 LV101 SURROUND MATRIX DECORDER

IC403 NJM2068F BUFFER

IC404 LC4864 SURROUND SWITCH

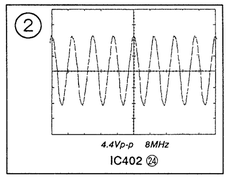
CONT AS-2 BOARD CNP501 (Page 16)

CONT AS-1 BOARD CNP502 (Page 16)

DISPLAY BOARD CNS101 (Page 25)

VOLUME BOARD CNF407 (Page 26)

● WAVEFORM

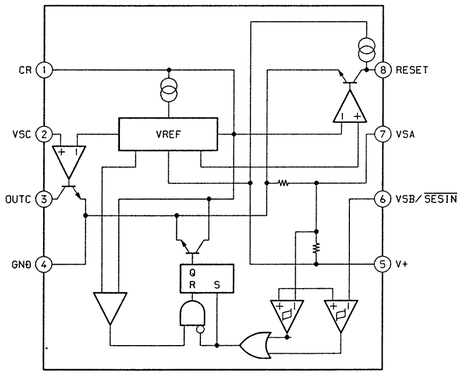


Note :

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line
- B− : B − Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : AM
- For detailed E model of refer to US model.
- Abbreviation
  CND : Canadian
  AUS : Australian

• IC BLOCK DIAGRAM – AMP SECTION –

IC901 NJM2103D



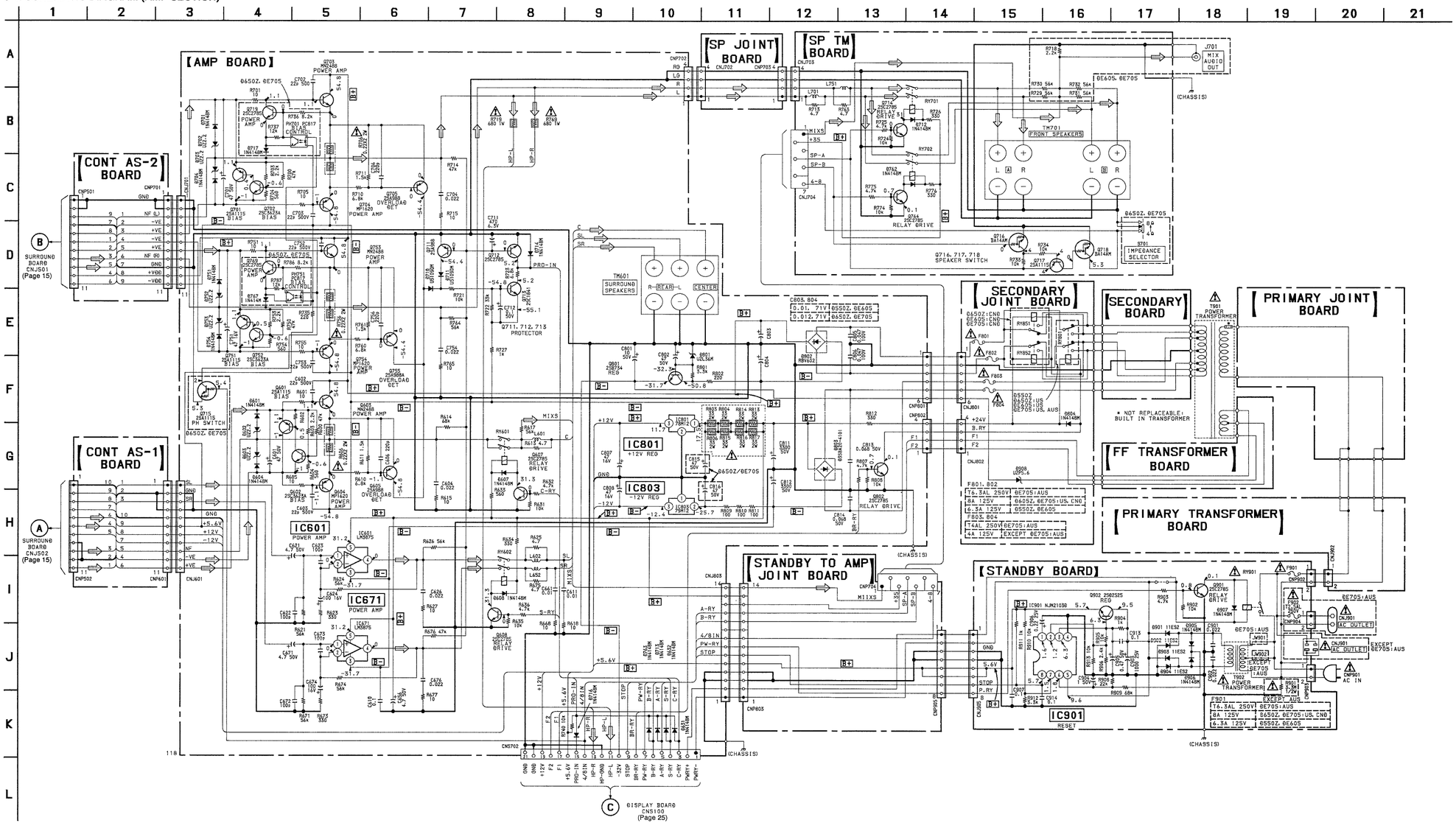
Note :

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- : nonflammable resistor.
- : panel designation.

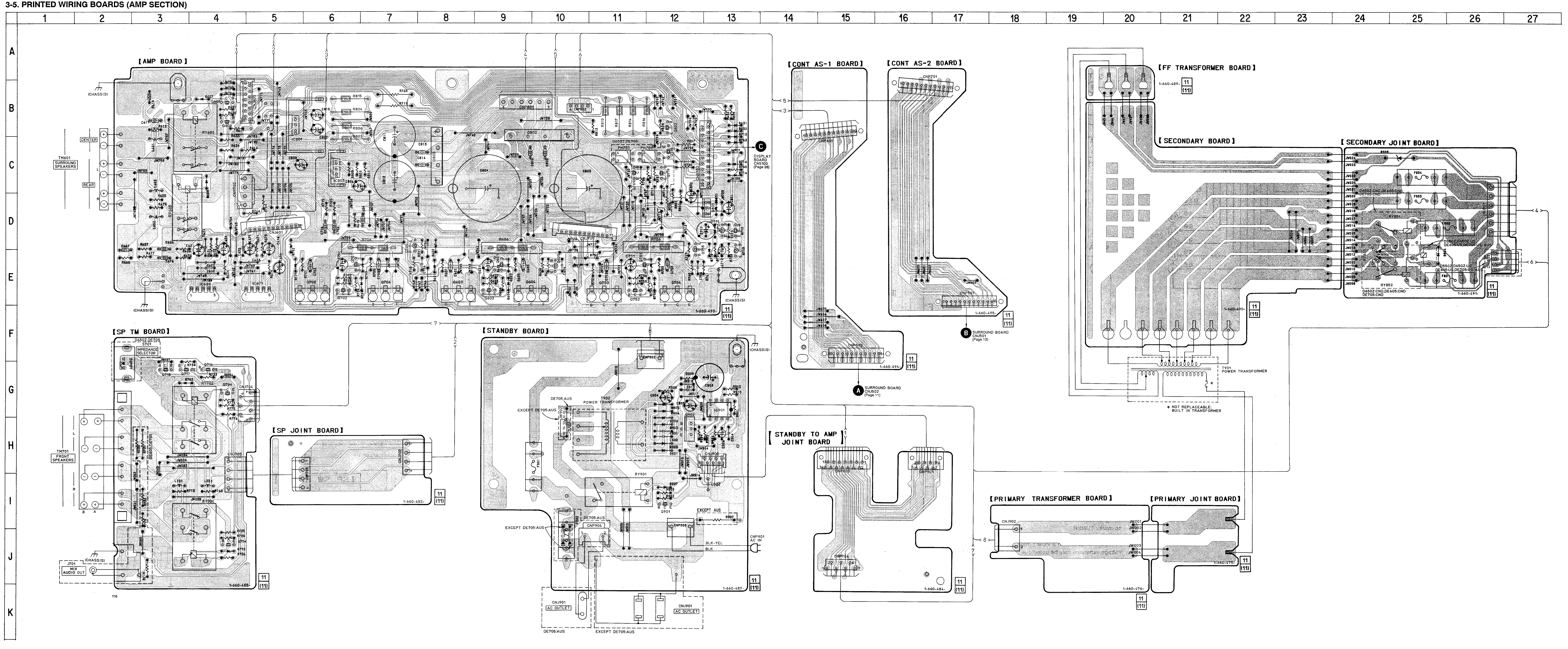
Note :	Note :
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- B+ : B+ Line
- B – : B – Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions. no mark : TUNER
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path. ⇨ : FM
- For detailed E model of refer to US model.
- Abbreviation
  CND : Canadian
  AUS : Australian

3-4. SCHEMATIC DIAGRAM (AMP SECTION)



3-5. PRINTED WIRING BOARDS (AMP SECTION)



• SEMICONDUCTOR LOCATION

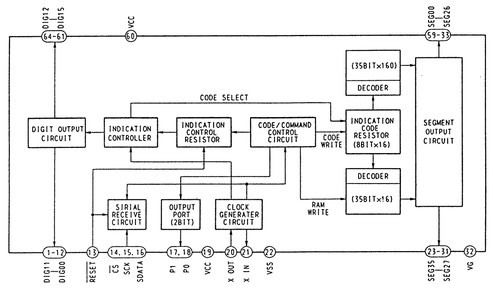
Ref. No.	Location	Ref. No.	Location
D601	E-8	PH701	C-11
D602	E-8	PH751	C-12
D603	E-9		
D604	E-9		
D607	B-4	Q601	E-9
		Q602	E-9
D608	C-4	Q603	E-8
D631	B-13	Q604	E-9
D632	B-13	Q605	E-10
D701	E-5		
D702	E-5	Q607	B-4
		Q608	B-4
D703	E-7	Q701	E-6
D704	E-6	Q702	E-6
D710	E-13	Q703	E-6
D711	D-13		
D712	D-13	Q704	E-7
		Q705	E-7
D713	B-13	Q711	D-13
D714	C-13	Q712	D-13
D716	C-13	Q713	E-13
D717	D-12		
D751	E-10	Q714	J-4
		Q715	C-12
D752	E-10	Q716	G-4
D753	E-12	Q717	G-3
D754	E-12	Q718	G-3
D762	G-3		
D763	B-13	Q719	C-12
		Q751	E-11
D767	D-12	Q752	E-11
D801	D-13	Q753	E-11
D802	C-10	Q754	E-12
D803	C-8		
D804	E-25	Q755	E-12
		Q764	G-4
D901	H-12	Q769	C-11
D902	H-12	Q801	D-13
D903	H-12	Q802	B-12
D904	H-12		
D905	G-12	Q901	I-12
		Q902	H-12
D906	G-12		
D907	I-12		
D908	C-25		
IC601	E-4		
IC671	E-5		
IC801	B-5		
IC803	C-6		
IC901	G-13		

Note:

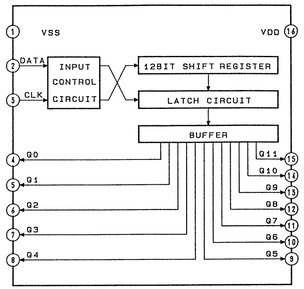
- ○— : parts extracted from the component side.
- ░░ : Pattern from the side which enables seeing. (The other layers' patterns are not indicated)
- For detailed E model of refer to US model.
- Abbreviation
  CND : Canadian
  AUS : Australian

• IC BLOCK DIAGRAMS – DISPLAY SECTION –

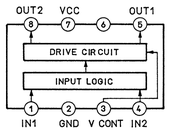
IC105 M66004M6FP



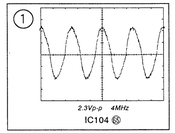
IC101 M50253P



IC103 LB1639



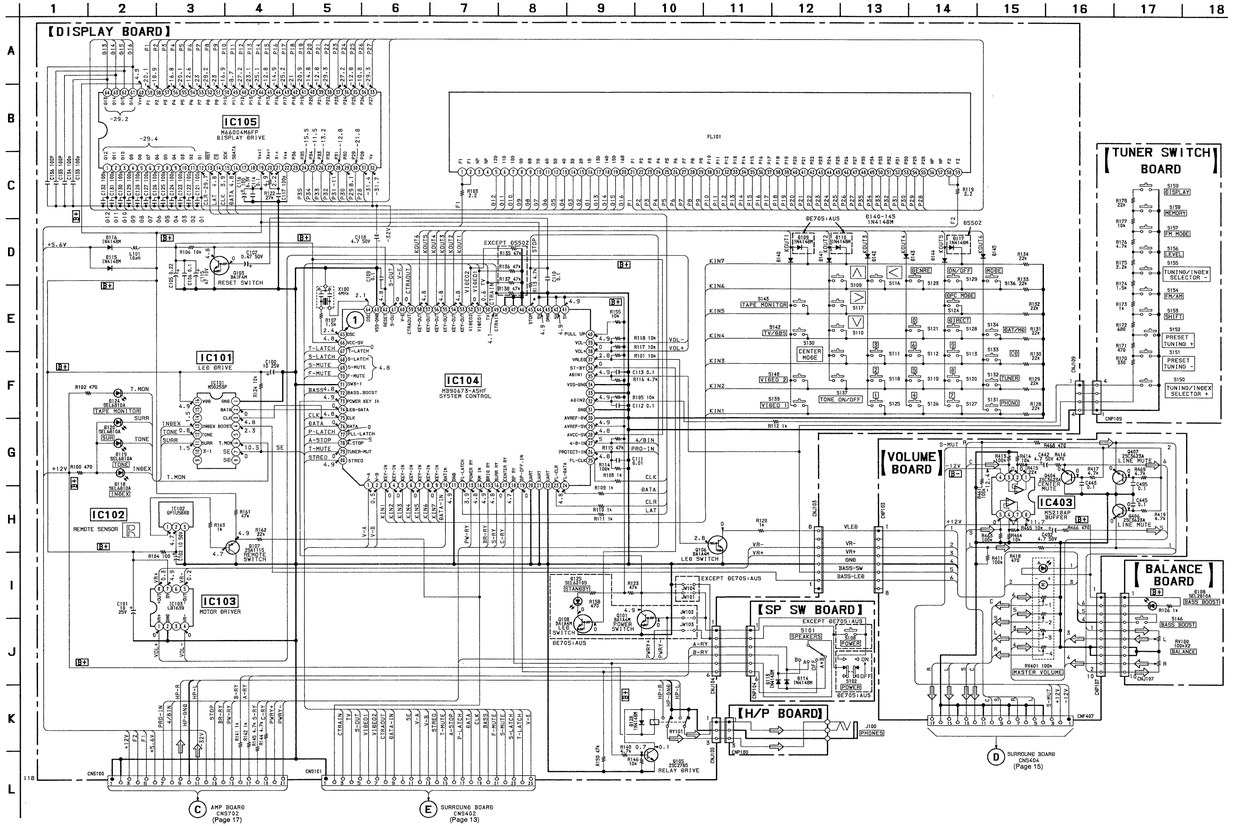
• WAVEFORM



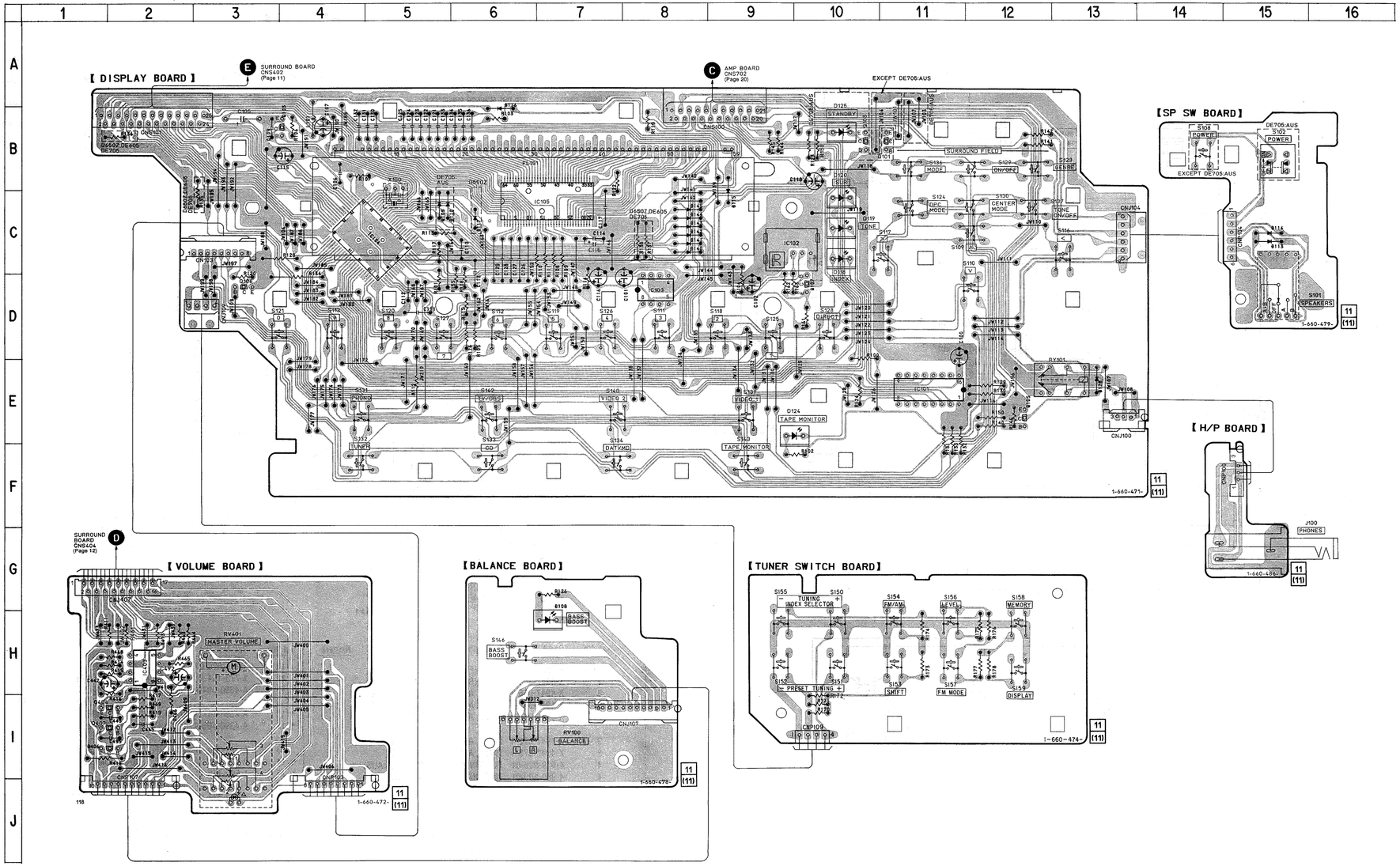
Note :

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.
- B+ : B+ Line
- B− : B − Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : TUNER
  * : can not be measured
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
- Abbreviation
  AUS : Australian

3-6. SCHEMATIC DIAGRAM (DISPLAY SECTION)



3-7. PRINTED WIRING BOARDS (DISPLAY SECTION)



● SEMICONDUCTOR LOCATION

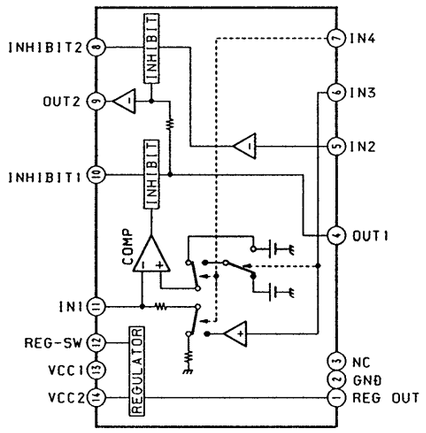
Ref. No.	Location
D108	H - 7
D109	C - 5
D110	C - 5
D113	C - 15
D114	C - 15
D115	C - 9
D116	B - 6
D117	C - 6
D118	C - 10
D119	C - 10
D120	C - 10
D124	F - 9
D125	B - 10
D128	E - 13
D140	C - 8
D141	C - 8
D142	C - 8
D143	C - 8
D144	C - 8
D145	C - 8
IC101	C - 11
IC102	C - 9
IC103	D - 8
IC104	C - 5
IC105	C - 7
IC403	H - 2
Q101	B - 11
Q103	B - 4
Q105	E - 12
Q106	D - 3
Q107	D - 10
Q108	B - 10
Q404	I - 1
Q406	I - 1
Q407	I - 1

Note:

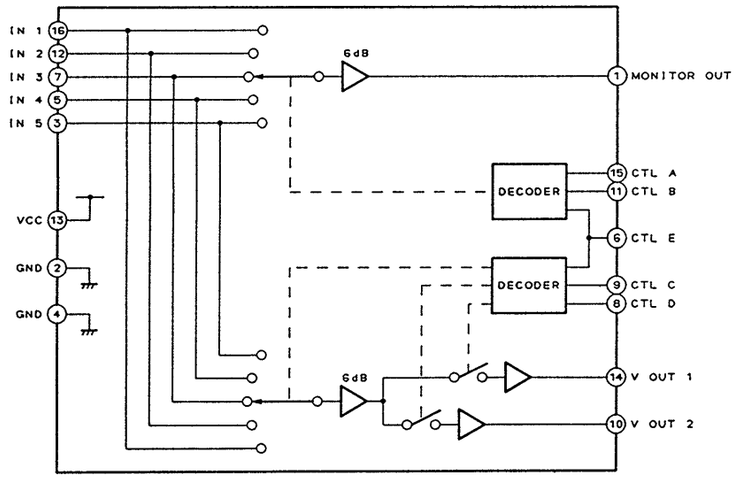
- ○— : parts extracted from the component side.
- △ : internal component.
- ▒▒▒ : Pattern from the side which enables seeing. (The other layers' patterns are not indicated)
- Abbreviation
  CND : Canadian
  AUS : Australian

• IC BLOCK DIAGRAMS – SURROUND SECTION –

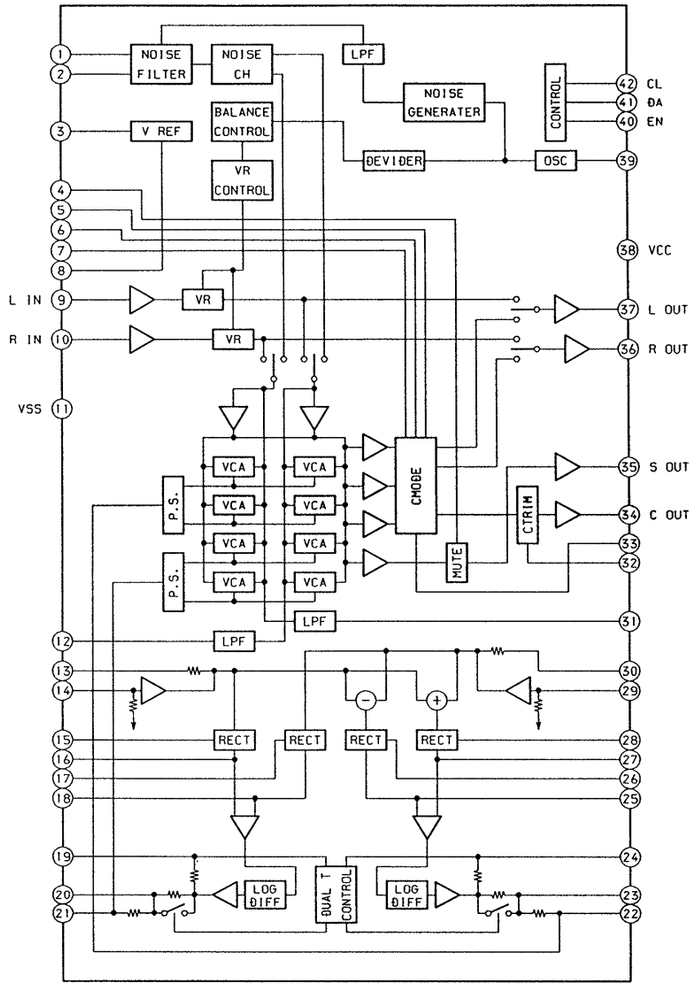
IC150 NJM2129D



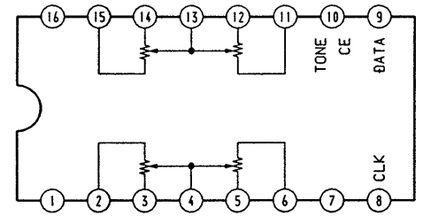
IC201 SN761200N



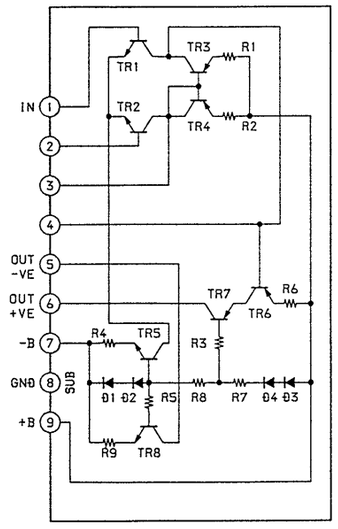
IC401 LA2785



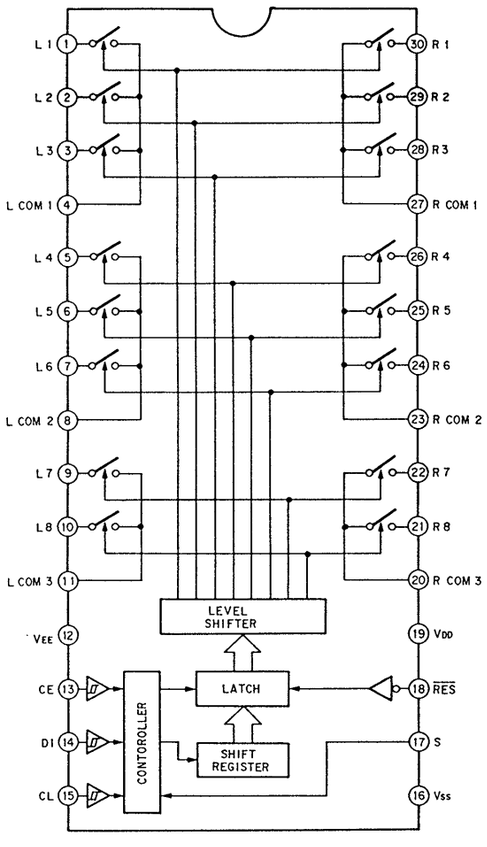
IC502 TC9184P



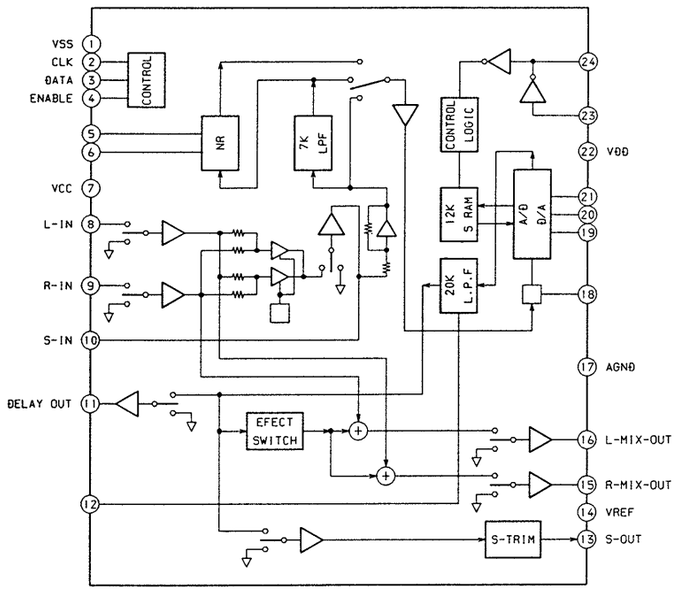
IC503 STK350-230



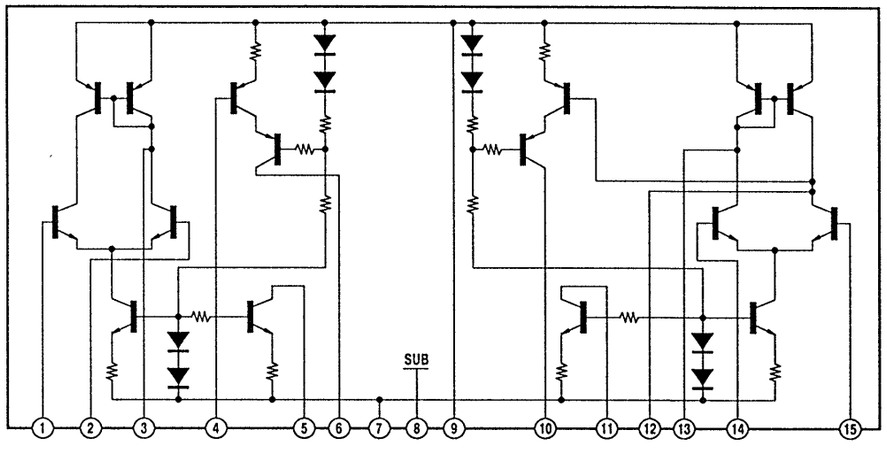
IC304, 305 LC7822



IC402 LV1011



IC501 STK350-030



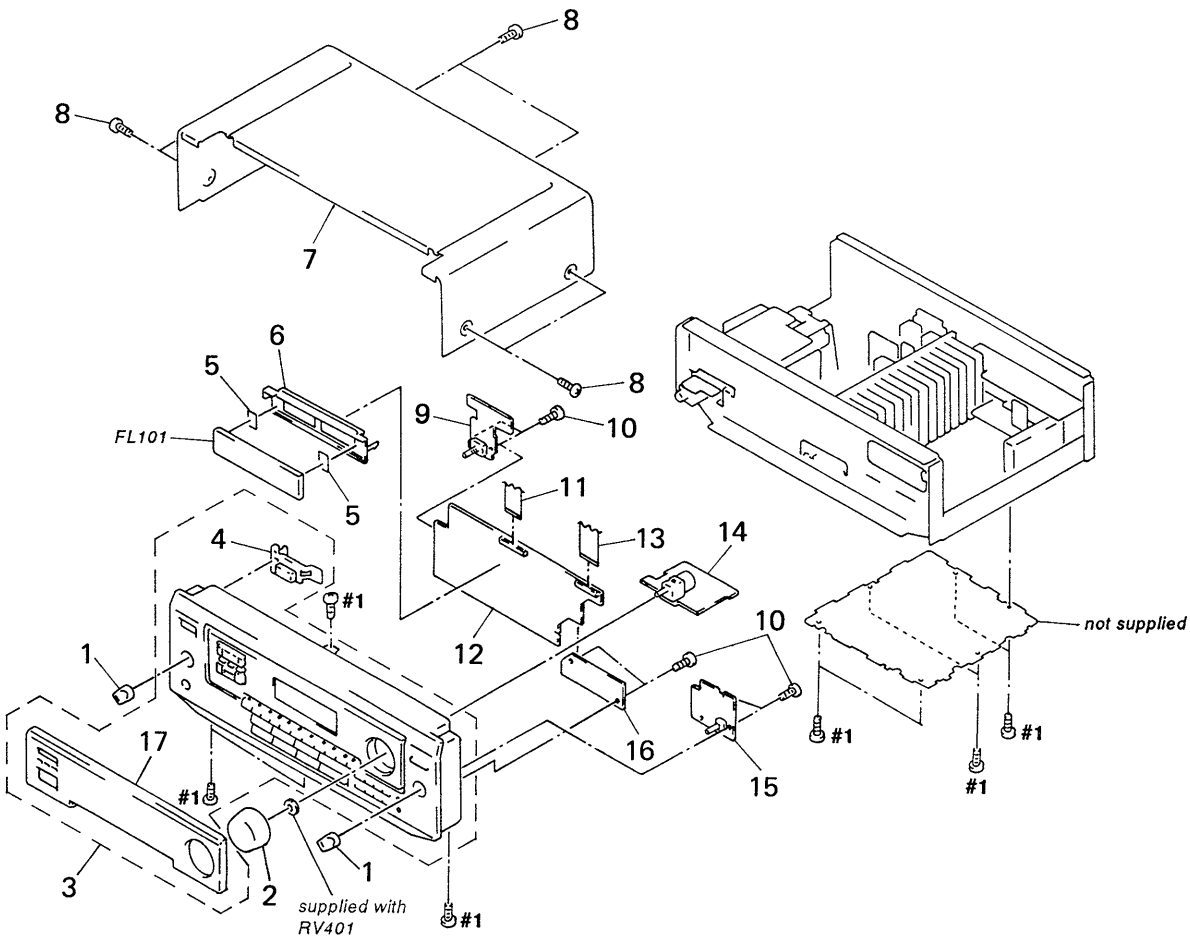
SECTION 4
EXPLODED VIEWS

NOTE :
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- For detailed E model of refer to US model.
- Abbreviation
  CND : Canadian AUS : Australian

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

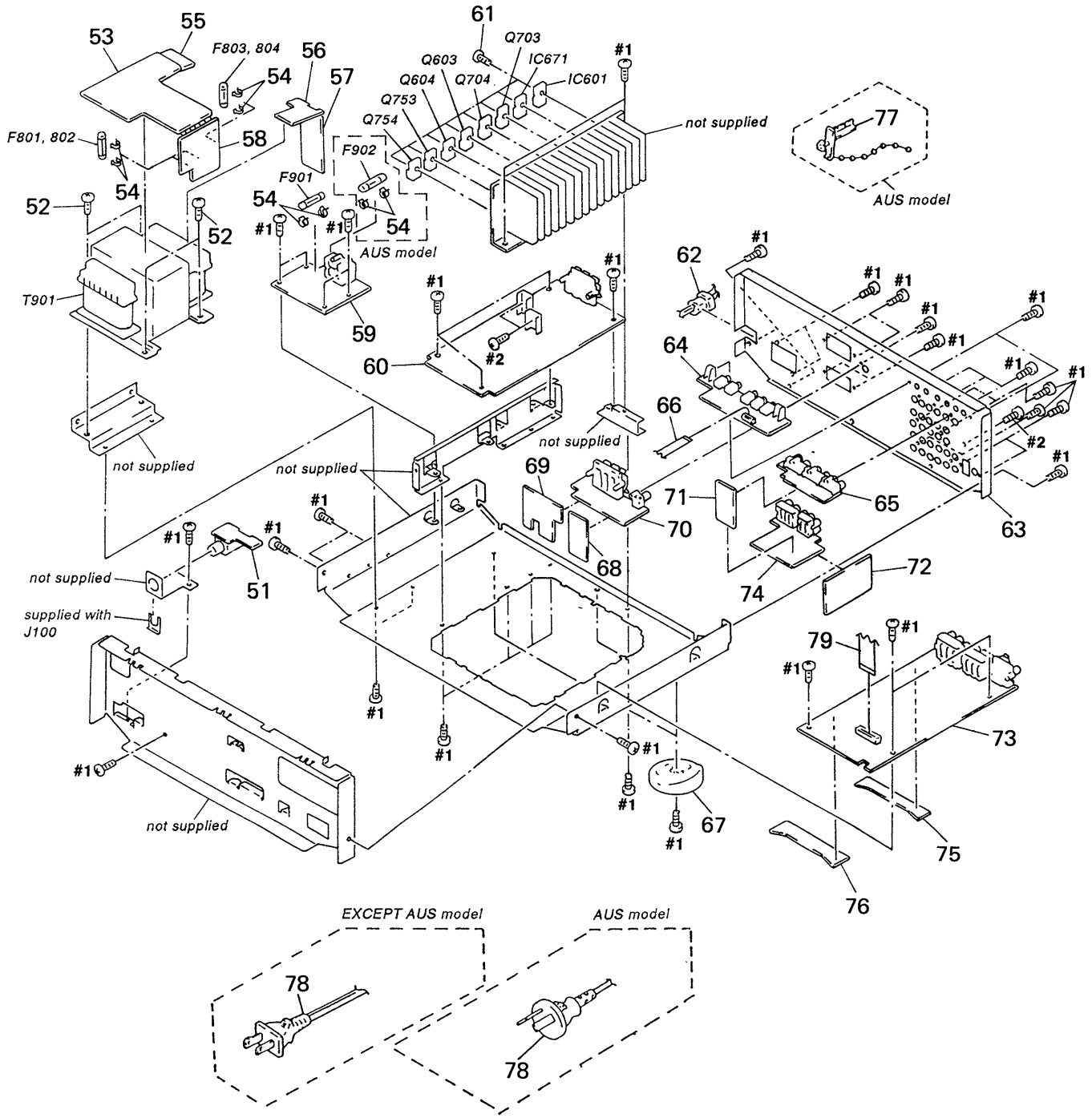
Les composants identifiés par une marque ⚠sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	4-957-383-01	KNOB (F14)	
2	X-4947-074-1	KNOB (R48) ASSY	
3	X-4947-066-1	PANEL ASSY, FRONT (DE705:US,CND)	
3	X-4947-067-1	PANEL ASSY, FRONT (DE705:AUS)	
3	X-4947-071-1	PANEL ASSY, FRONT (DE605)	
3	X-4947-072-1	PANEL ASSY, FRONT (D650Z)	
3	X-4947-073-1	PANEL ASSY, FRONT (D550Z)	
4	4-979-936-01	BUTTON (P-T)(EXCEPT DE705:AUS)	
4	4-980-109-01	BUTTON (P-M) (DE705:AUS)	
* 5	4-921-941-01	CUSHION (FL)	
* 6	4-981-656-01	HOLDER, FL TUBE	
* 7	4-979-945-01	CASE (414532)	
8	3-704-366-01	SCREW (CASE) (M3X8)	
* 9	1-660-479-11	SP SW BOARD	
10	4-951-620-01	SCREW (2.6X8), +BVTP	
11	1-773-154-11	WIRE (FLAT TYPE) (21 CORE)	
* 12	A-4390-094-A	DISPLAY BOARD, COMPLETE (EXCEPT D550Z/DE705:AUS)	
* 12	A-4390-117-A	DISPLAY BOARD, COMPLETE (DE705:AUS)	
* 12	A-4390-406-A	DISPLAY BOARD, COMPLETE (D550Z)	
13	1-773-230-11	WIRE (FLAT TYPE) (25 CORE)	
* 14	A-4390-097-A	VOLUME BOARD, COMPLETE	
* 15	1-660-478-11	BALANCE BOARD	
* 16	1-660-474-11	TUNER SWITCH BOARD	
* 17	4-980-631-21	PLATE (A4), INDICATION (EXCEPT AUS)	
* 17	4-980-631-31	PLATE (A4), INDICATION (AUS)	
FL101	1-517-519-11	INDICATOR TUBE, FLUORESCENT	

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
* 51	1-660-486-11	H/P BOARD	
52	4-381-962-11	SCREW +BVTT 4X8 (S)	
* 53	1-660-489-11	FF TRANSFORMER BOARD	
54	1-533-399-31	HOLDER, FUSE	
* 55	1-660-491-11	SECONDARY JOINT BOARD	
* 56	1-660-475-11	PRIMARY TRANSFORMER BOARD	
* 57	1-660-476-11	PRIMARY JOINT BOARD	
* 58	1-660-490-11	SECONDARY BOARD	
* 59	A-4390-110-A	STANDBY BOARD, COMPLETE (EXCEPT AUS)	
* 59	A-4390-119-A	STANDBY BOARD, COMPLETE(AUS)	
* 60	A-4390-091-A	AMP BOARD, COMPLETE (D550Z/DE605)	
* 60	A-4390-106-A	AMP BOARD, COMPLETE (D650Z/DE705)	
61	3-905-609-01	SCREW (TRANSISTOR)	
* 62	3-703-244-00	BUSHING (2104), CORD	
* 63	4-981-655-01	PANEL, BACK (DE705:US)	
* 63	4-981-655-11	PANEL, BACK (DE705:CND)	
* 63	4-981-655-21	PANEL, BACK (DE705:AUS)	
* 63	4-981-655-31	PANEL, BACK (DE605:US)	
* 63	4-981-655-41	PANEL, BACK (DE605:CND)	
* 63	4-981-655-51	PANEL, BACK (D650Z:US)	
* 63	4-981-655-61	PANEL, BACK (D650Z:CND)	
* 63	4-981-655-71	PANEL, BACK (D550Z)	
* 64	A-4390-115-A	CONT-A BOARD, COMPLETE (DE705:US,CND)	
* 65	A-4390-099-A	VIDEO BOARD, COMPLETE	
66	1-769-913-11	WIRE (FLAT TYPE) (9 CORE) (DE705:US,CND)	
67	X-4947-207-1	FOOT ASSY (F50150S) (AUS)	
67	X-4947-208-1	FOOT ASSY (F50150S) (EXCEPT AUS)	
* 68	1-660-482-11	SP JOINT BOARD	
* 69	1-660-484-11	STANDBY TO AMP JOINT BOARD	
* 70	1-660-488-11	SP TM BOARD	
* 71	1-660-473-11	F2 TO F3 BOARD	
* 72	A-4390-098-A	PHONO AMP BOARD, COMPLETE	
* 73	A-4390-107-A	SURR BOARD, COMPLETE (DE705:US,CND)	
* 73	A-4390-146-A	SURR BOARD, COMPLETE (DE705:AUS)	
* 73	A-4390-407-A	SURR BOARD, COMPLETE (D550Z/DE605)	
* 73	A-4390-490-A	SURR BOARD, COMPLETE (D650Z)	
* 74	1-660-480-11	AUDIO (F2) BOARD	

Ref. No.	Part No.	Description	Remark
* 75	1-660-495-11	CONT AS-2 BOARD	
* 76	1-660-494-11	CONT AS-1 BOARD	
77	4-956-370-12	BAND, PLUG FIXED (AUS)	
⚠78	1-696-847-11	CORD, POWER (AUS)	
⚠78	1-769-743-11	CORD, POWER (EXCEPT AUS)	
79	1-773-040-11	WIRE (FLAT TYPE) (17 CORE)	
⚠F801	1-533-311-11	FUSE,GLASS CYLINDRICAL(DIA.5)(8A 125V)	(D650Z/DE705:US,CND)
⚠F801	1-533-310-11	FUSE,GLASS TUBE(6.3A 125V)(D550Z/DE605)	
⚠F801	1-532-506-51	FUSE,TIME LAG(T6.3AL 250V)(DE705:AUS)	
⚠F802	1-533-311-11	FUSE,GLASS CYLINDRICAL(DIA.5)(8A 125V)	(D650Z/DE705:US,CND)
⚠F802	1-533-310-11	FUSE,GLASS TUBE(6.3A 125V)(D550Z/DE605)	
⚠F802	1-532-506-51	FUSE,TIME LAG(T6.3AL 250V)(AUS)	
⚠F803	1-576-108-11	FUSE(4A 125V)(EXCEPT AUS)	
⚠F803	1-532-504-51	FUSE,TIME LAG(T4AL 250V)(AUS)	
⚠F804	1-576-108-11	FUSE(4A 125V)(EXCEPT AUS)	
⚠F804	1-532-504-51	FUSE,TIME LAG(T4AL 250V)(AUS)	
⚠F901	1-533-311-11	FUSE,GLASS CYLINDRICAL(DIA.5)(8A 125V)	(D650Z/DE705:US,CND)
⚠F901	1-533-310-11	FUSE,GLASS TUBE(6.3A 125V)(D550Z/DE605)	
⚠F901	1-532-506-51	FUSE,TIME LAG(T6.3AL 250V)(AUS)	
⚠F902	1-532-464-51	FUSE,TIME LAG (T2.5AL 250V)(AUS)	
IC601	8-759-069-56	IC LM3875	
IC671	8-759-069-56	IC LM3875	
Q603	8-749-010-25	IC MN2488-OPY-M	
Q604	8-749-010-26	IC MP1620-OPY-M	
Q703	8-749-010-25	IC MN2488-OPY-M	
Q704	8-749-010-26	IC MP1620-OPY-M	
Q753	8-749-010-25	IC MN2488-OPY-M	
Q754	8-749-010-26	IC MP1620-OPY-M	
⚠T901	1-429-541-11	TRANSFORMER, POWER (D650Z:US/DE705:US)	
⚠T901	1-429-544-11	TRANSFORMER, POWER (DE705:AUS)	
⚠T901	1-429-564-11	TRANSFORMER, POWER (D650Z:CND/	DE705:CND)
⚠T901	1-429-608-11	TRANSFORMER, POWER (D550Z/DE605:US)	
⚠T901	1-429-609-11	TRANSFORMER, POWER (DE605:CND)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 5
ELECTRICAL PARTS LIST

AMP

NOTE :
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE :Metal oxide-film resistor
  F : nonflammable
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ , for example :
  uA.... : μ A.... , uPA.... : μ PA....
  uPB.... : μ PB.... , uPC.... : μ PC....
  uPD.... : μ PD....
- CAPACITORS
  uF : μ F
- COILS
  uH : μ H
- For detailed E model of refer to US model.
- Abbreviation
  CND : Canadian AUS : Australian

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	A-4390-091-A	AMP BOARD, COMPLETE (D550Z/DE605)			
*	A-4390-106-A	AMP BOARD, COMPLETE (D650Z/DE705)			
		**********			
*	1-537-738-21	TERMINAL, EARTH			
		< CAPACITOR >			
C601	1-124-910-11	ELECT	47uF	20%	50V
C602	1-107-597-11	CERAMIC	22PF	10%	500V
C603	1-107-597-11	CERAMIC	22PF	10%	500V
C604	1-136-157-00	FILM	0.022uF	5%	50V
C606	1-162-286-31	CERAMIC	220PF	10%	50V
C610	1-164-159-11	CERAMIC	0.1uF		50V
C611	1-164-096-11	CERAMIC	0.01uF		50V
C621	1-126-163-11	ELECT	4.7uF	20%	50V
C622	1-162-282-31	CERAMIC	100PF	10%	50V
C623	1-162-282-31	CERAMIC	100PF	10%	50V
C624	1-104-665-11	ELECT	100uF	20%	16V
C626	1-136-157-00	FILM	0.022uF	5%	50V
C656	1-126-163-11	ELECT	4.7uF	20%	50V
C661	1-164-096-11	CERAMIC	0.01uF		50V
C671	1-126-163-11	ELECT	4.7uF	20%	50V
C672	1-162-282-31	CERAMIC	100PF	10%	50V
C673	1-162-282-31	CERAMIC	100PF	10%	50V
C674	1-104-665-11	ELECT	100uF	20%	16V
C676	1-136-157-00	FILM	0.022uF	5%	50V
C699	1-164-159-11	CERAMIC	0.1uF		50V
C701	1-124-910-11	ELECT	47uF	20%	50V
C702	1-107-597-11	CERAMIC	22PF	10%	500V
C703	1-107-597-11	CERAMIC	22PF	10%	500V
C704	1-136-157-00	FILM	0.022uF	5%	50V
C706	1-162-286-31	CERAMIC	220PF	10%	50V
C711	1-126-941-11	ELECT	470uF	20%	6.3V
C712	1-124-250-11	ELECT	0.15uF	20%	50V
C751	1-124-910-11	ELECT	47uF	20%	50V
C752	1-107-597-11	CERAMIC	22PF	10%	500V
C753	1-107-597-11	CERAMIC	22PF	10%	500V

Ref. No.	Part No.	Description			Remark
C754	1-136-157-00	FILM	0.022uF	5%	50V
C756	1-162-286-31	CERAMIC	220PF	10%	50V
C801	1-124-907-11	ELECT	10uF	20%	50V
C802	1-124-910-11	ELECT	47uF	20%	50V
C803	1-109-932-12	ELECT	10000uF	20%	71V (D550Z/DE605)
C803	1-125-752-11	ELECT	12000uF	20%	71V (D650Z/DE705)
C804	1-109-932-12	ELECT	10000uF	20%	71V (D550Z/DE605)
C804	1-125-752-11	ELECT	12000uF	20%	71V (D650Z/DE705)
C805	1-137-420-11	FILM	0.047uF	10%	100V
C806	1-137-420-11	FILM	0.047uF	10%	100V
C807	1-104-664-11	ELECT	47uF	20%	16V
C808	1-104-664-11	ELECT	47uF	20%	16V
C811	1-126-974-11	ELECT	3300uF	20%	50V
C812	1-126-974-11	ELECT	3300uF	20%	50V
C813	1-136-163-00	FILM	0.068uF	5%	50V
C814	1-136-163-00	FILM	0.068uF	5%	50V
C815	1-124-910-11	ELECT	47uF	20%	50V (D650Z/DE705)
C816	1-124-910-11	ELECT	47uF	20%	50V (D650Z/DE705)
		< CONNECTOR >			
CNJ601	1-770-404-11	HOUSING,CONNECTOR(PC BOARD)11P			
CNJ701	1-770-404-11	HOUSING,CONNECTOR(PC BOARD)11P			
CNJ803	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
CNP702	1-770-481-11	PIN, CONNECTOR 4P			
* CNP801	1-560-259-00	CONNECTOR PIN,WITH LOCK 6P			
* CNP802	1-565-495-11	CONNECTOR, BOARD TO BOARD 4P			(EXCEPT CND)
* CNP802	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P (CND)			
		< CONNECTOR >			
CNS702	1-568-838-11	SOCKET, CONNECTOR 21P			

AMP

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D601	8-719-987-63	DIODE 1N4148M-TP	
D602	8-719-010-06	DIODE UZ-2.2BS-TP	
D603	8-719-010-06	DIODE UZ-2.2BS-TP	
D604	8-719-987-63	DIODE 1N4148M-TP	
D607	8-719-987-63	DIODE 1N4148M-TP	
D608	8-719-987-63	DIODE 1N4148M-TP	
D631	8-719-987-63	DIODE 1N4148M-TP	
D632	8-719-987-63	DIODE 1N4148M-TP	
D701	8-719-987-63	DIODE 1N4148M-TP	
D702	8-719-010-06	DIODE UZ-2.2BS-TP	
D703	8-719-010-06	DIODE UZ-2.2BS-TP	
D704	8-719-987-63	DIODE 1N4148M-TP	
D710	8-719-815-85	DIODE 1S1585	
D711	8-719-815-85	DIODE 1S1585	
D713	8-719-987-63	DIODE 1N4148M-TP	
D714	8-719-987-63	DIODE 1N4148M-TP	
D716	8-719-987-63	DIODE 1N4148M-TP	
D717	8-719-987-63	DIODE 1N4148M-TP (D650Z/DE705)	
D751	8-719-987-63	DIODE 1N4148M-TP	
D752	8-719-010-06	DIODE UZ-2.2BS-TP	
D753	8-719-010-06	DIODE UZ-2.2BS-TP	
D754	8-719-987-63	DIODE 1N4148M-TP	
D763	8-719-987-63	DIODE 1N4148M-TP	
D767	8-719-987-63	DIODE 1N4148M-TP (D650Z/DE705)	
D801	8-719-934-22	DIODE HZS-30L	
D802	8-719-302-38	DIODE RBV-602-01	
D803	8-719-028-23	DIODE D3SBA20-4101	
		< IC >	
IC601	8-759-069-56	IC LM3875	
IC671	8-759-069-56	IC LM3875	
IC801	8-759-604-39	IC uPC78M12H	
IC803	8-759-604-45	IC M5F79M12L	
		< COIL >	
L601	1-420-872-00	COIL,AIR-CORE	
L602	1-420-872-00	COIL,AIR-CORE	
L652	1-420-872-00	COIL,AIR-CORE	
		< PHOTO INTERRUPTER >	
PH701	8-719-936-96	IC PC817AC (D650Z/DE705)	
PH751	8-719-936-96	IC PC817AC (D650Z/DE705)	
		< TRANSISTOR >	
Q601	8-729-119-76	TRANSISTOR 2SA115TP-EF	
Q602	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q603	8-749-010-25	IC MN2488-OPY-M	
Q604	8-749-010-26	IC MP1620-OPY-M	
Q605	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q607	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q608	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q701	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q702	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q703	8-749-010-25	IC MN2488-OPY-M	
Q704	8-749-010-26	IC MP1620-OPY-M	
Q705	8-749-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q711	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q712	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q713	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q715	8-729-119-76	TRANSISTOR 2SA1115TP-EF(D650Z/DE705)	
Q719	8-729-119-79	TRANSISTOR 2SC2785TP-FEK(D650Z/DE705)	
Q751	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q752	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q753	8-749-010-25	IC MN2488-OPY-M	
Q754	8-749-010-26	IC MP1620-OPY-M	
Q755	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q769	8-729-119-79	TRANSISTOR 2SC2785TP-FEK(D650Z/DE705)	
Q801	8-729-140-97	TRANSISTOR 2SB734-T-34	
Q802	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
		< RESISTOR >	
R600	1-249-437-11	CARBON 47K 5% 1/4W	
R601	1-249-393-11	CARBON 10 5% 1/4W	
R603	1-249-421-11	CARBON 2.2K 5% 1/4W	
R604	1-249-414-11	CARBON 560 5% 1/4W	
R605	1-249-393-11	CARBON 10 5% 1/4W	
⚠R606	1-233-352-21	ENCAPSULATED COMPONENT	F
R610	1-249-427-11	CARBON 6.8K 5% 1/4W	
R611	1-249-419-11	CARBON 1.5K 5% 1/4W	
R613	1-249-389-11	CARBON 4.7 5% 1/4W	
R614	1-249-439-11	CARBON 68K 5% 1/4W	
R615	1-249-393-11	CARBON 10 5% 1/4W	
R617	1-249-438-11	CARBON 56K 5% 1/4W	
R618	1-249-393-11	CARBON 10 5% 1/4W	
R621	1-249-438-11	CARBON 56K 5% 1/4W	
R623	1-249-411-11	CARBON 330 5% 1/4W	
R624	1-249-438-11	CARBON 56K 5% 1/4W	
R625	1-249-389-11	CARBON 4.7 5% 1/4W	
R626	1-249-438-11	CARBON 56K 5% 1/4W	
R627	1-249-393-11	CARBON 10 5% 1/4W	
R631	1-249-429-11	CARBON 10K 5% 1/4W	
R632	1-249-425-11	CARBON 4.7K 5% 1/4W	
R633	1-249-414-11	CARBON 560 5% 1/4W	
R634	1-249-414-11	CARBON 560 5% 1/4W	
R635	1-249-429-11	CARBON 10K 5% 1/4W	
R636	1-249-425-11	CARBON 4.7K 5% 1/4W	
R668	1-249-393-11	CARBON 10 5% 1/4W	
R671	1-249-438-11	CARBON 56K 5% 1/4W	
R673	1-249-411-11	CARBON 330 5% 1/4W	
R674	1-249-438-11	CARBON 56K 5% 1/4W	
R675	1-249-389-11	CARBON 4.7 5% 1/4W	
R676	1-249-437-11	CARBON 47K 5% 1/4W	

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Ref. No.	Part No.	Description				Remark
R677	1-249-393-11	CARBON	10	5%	1/4W	
R700	1-249-437-11	CARBON	47K	5%	1/4W	
R701	1-249-393-11	CARBON	10	5%	1/4W	
R703	1-249-421-11	CARBON	2.2K	5%	1/4W	
R704	1-249-414-11	CARBON	560	5%	1/4W	
R705	1-249-393-11	CARBON	10	5%	1/4W	
⚠R706	1-233-352-21	ENCAPSULATED COMPONENT				F
R710	1-249-427-11	CARBON	6.8K	5%	1/4W	
R711	1-249-419-11	CARBON	1.5K	5%	1/4W	
R714	1-249-437-11	CARBON	47K	5%	1/4W	
R715	1-249-393-11	CARBON	10	5%	1/4W	
⚠R719	1-213-141-61	METAL OXIDE	680	5%	1W	F
R721	1-249-429-11	CARBON	10K	5%	1/4W	
R722	1-249-435-11	CARBON	33K	5%	1/4W	
R723	1-249-427-11	CARBON	6.8K	5%	1/4W	
R727	1-249-417-11	CARBON	1K	5%	1/4W	
R736	1-249-428-11	CARBON	8.2K	5%	1/4W	(D650Z/DE705)
R737	1-249-430-11	CARBON	12K	5%	1/4W	(D650Z/DE705)
R740	1-249-429-11	CARBON	10K	5%	1/4W	
R750	1-249-437-11	CARBON	47K	5%	1/4W	
R751	1-249-393-11	CARBON	10	5%	1/4W	
R753	1-249-421-11	CARBON	2.2K	5%	1/4W	
R754	1-249-414-11	CARBON	560	5%	1/4W	
R755	1-249-393-11	CARBON	10	5%	1/4W	
⚠R756	1-233-352-21	ENCAPSULATED COMPONENT				F
R760	1-249-427-11	CARBON	6.8K	5%	1/4W	
R761	1-249-419-11	CARBON	1.5K	5%	1/4W	
R764	1-249-438-11	CARBON	56K	5%	1/4W	
R765	1-249-393-11	CARBON	10	5%	1/4W	
⚠R769	1-213-141-61	METAL OXIDE	680	5%	1W	F
R786	1-249-428-11	CARBON	8.2K	5%	1/4W	(D650Z/DE705)
R787	1-249-430-11	CARBON	12K	5%	1/4W	(D650Z/DE705)
R801	1-249-423-11	CARBON	3.3K	5%	1/4W	
R802	1-249-409-11	CARBON	220	5%	1/4W	
⚠R803	1-215-883-11	METAL OXIDE	33	5%	2W	F
⚠R804	1-215-883-11	METAL OXIDE	33	5%	2W	F
⚠R806	1-215-883-11	METAL OXIDE	33	5%	2W	F
R807	1-249-425-11	CARBON	4.7K	5%	1/4W	
R808	1-249-429-11	CARBON	10K	5%	1/4W	
R809	1-249-405-11	CARBON	100	5%	1/4W	
R810	1-249-405-11	CARBON	100	5%	1/4W	
R811	1-249-385-11	CARBON	2.2	5%	1/6W	
R812	1-249-414-11	CARBON	560	5%	1/4W	
⚠R813	1-215-883-11	METAL OXIDE	33	5%	2W	F
⚠R814	1-215-883-11	METAL OXIDE	33	5%	2W	F
⚠R815	1-215-883-11	METAL OXIDE	33	5%	2W	F
⚠R816	1-215-883-11	METAL OXIDE	33	5%	2W	F
⚠R817	1-215-883-11	METAL OXIDE	33	5%	2W	F

Ref. No.	Part No.	Description				Remark
		< RELAY >				
RY601	1-515-765-11	RELAY (D550Z/DE605)				
RY601	1-515-741-11	RELAY (D650Z/DE705)				
RY602	1-515-920-11	RELAY (24V)				
		< TERMINAL >				
TM601	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P)				(SURROUND SPEAKERS)
**********						
*	1-660-480-11	AUDIO (F2) BOARD				
		**********				
		< CAPACITOR >				
C395	1-162-282-31	CERAMIC	100PF	10%	50V	
C396	1-162-294-31	CERAMIC	0.001uF	10%	50V	
		< CONNECTOR >				
CNP301	1-750-180-11	PIN, CONNECTOR (PC BOARD) 5P				
CNP302	1-695-090-11	PIN, CONNECTOR (PC BOARD) 13P				
		< IC >				
IC304	8-759-805-14	IC LC7822				
		< JACK >				
J305	1-580-825-11	JACK, PIN 6P(VIDEO 1:AUDIO OUT,AUDIO IN,				VIDEO 2:AUDIO IN)
J306	1-573-028-21	JACK, PIN 4P(VIDEO 2:AUDIO OUT,TV/				DBS AUDIO IN)
		< RESISTOR >				
R322	1-249-417-11	CARBON	1K	5%	1/4W	
R324	1-249-417-11	CARBON	1K	5%	1/4W	
R325	1-249-417-11	CARBON	1K	5%	1/4W	
R326	1-249-417-11	CARBON	1K	5%	1/4W	
R327	1-249-417-11	CARBON	1K	5%	1/4W	
R372	1-249-417-11	CARBON	1K	5%	1/4W	
R374	1-249-417-11	CARBON	1K	5%	1/4W	
R375	1-249-417-11	CARBON	1K	5%	1/4W	
R376	1-249-417-11	CARBON	1K	5%	1/4W	
R377	1-249-417-11	CARBON	1K	5%	1/4W	
R395	1-249-417-11	CARBON	1K	5%	1/4W	
R396	1-249-425-11	CARBON	4.7K	5%	1/4W	
**********						
*	1-660-478-11	BALANCE BOARD				
		**********				
		< CONNECTOR >				
CNJ107	1-770-403-11	HOUSING,CONNECTOR (PC BOARD) 10P				

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BALANCE CONT AS-1 CONT AS-2 CONT-A DISPLAY

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D108	8-719-301-49	LED SEL6810A-TH10 (BASS BOOST)			
		< RESISTOR >			
R126	1-249-417-11	CARBON	1K	5%	1/4W
		< VARIABLE RESISTOR >			
RV100	1-223-880-11	RES, VAR, CARBON 100K/100K (BALANCE)			
		< SWITCH >			
S146	1-554-303-21	SWITCH, TACTILE (BASS BOOST)			
**********					
*	1-660-494-11	CONT AS-1 BOARD			
		**********			
		< CONNECTOR >			
CNP502	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			
CNP601	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			
**********					
*	1-660-495-11	CONT AS-2 BOARD			
		**********			
		< CONNECTOR >			
CNP501	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			
CNP701	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			
**********					
*	A-4390-115-A	CONT-A BOARD, COMPLETE (DE705:US,CND)			
		**********			
		< CAPACITOR >			
C150	1-162-294-31	CERAMIC	0.001uF	10%	50V
C151	1-124-907-11	ELECT	10uF	20%	50V
C152	1-162-294-31	CERAMIC	0.001uF	10%	50V
C153	1-162-294-31	CERAMIC	0.001uF	10%	50V
C154	1-162-294-31	CERAMIC	0.001uF	10%	50V
C155	1-124-907-11	ELECT	10uF	20%	50V
C159	1-104-666-11	ELECT	220uF	20%	10V
		< CONNECTOR >			
* CNF403	1-568-828-11	SOCKET, CONNECTOR 9P			
		< DIODE >			
D151	8-719-987-63	DIODE 1N4148M-TP			
		< IC >			
IC150	8-759-388-26	IC NJM2129D			
IC151	8-759-912-77	IC LM324N			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J151	1-563-330-11	JACK (S-LINK CTRL A1)			
J152	1-563-330-11	JACK (MONITOR CTRL S IN)			
J153	1-563-330-11	JACK (VIDEO 1 CTRL S OUT)			
J154	1-563-330-11	JACK (VIDEO 2 CTRL S OUT)			
J155	1-563-330-11	JACK (TV/DBS CTRL S STATUS IN)			
		< TRANSISTOR >			
Q150	8-729-119-79	TRANSISTOR 2SC2785TP-FEK			
Q152	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
Q153	8-729-119-79	TRANSISTOR 2SC2785TP-FEK			
Q154	8-729-119-79	TRANSISTOR 2SC2785TP-FEK			
Q155	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
Q156	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
Q157	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
Q158	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
Q159	8-729-620-05	TRANSISTOR 2SC2603TP-EF			
		< RESISTOR >			
R150	1-249-414-11	CARBON	560	5%	1/4W
R151	1-249-417-11	CARBON	1K	5%	1/4W
R152	1-249-417-11	CARBON	1K	5%	1/4W
R153	1-249-423-11	CARBON	3.3K	5%	1/4W
R154	1-249-433-11	CARBON	22K	5%	1/4W
R155	1-249-427-11	CARBON	6.8K	5%	1/4W
R156	1-249-414-11	CARBON	560	5%	1/4W
R157	1-249-417-11	CARBON	1K	5%	1/4W
R158	1-249-429-11	CARBON	10K	5%	1/4W
R159	1-249-429-11	CARBON	10K	5%	1/4W
R161	1-249-429-11	CARBON	10K	5%	1/4W
R162	1-249-417-11	CARBON	1K	5%	1/4W
R163	1-249-417-11	CARBON	1K	5%	1/4W
R164	1-249-417-11	CARBON	1K	5%	1/4W
R165	1-249-417-11	CARBON	1K	5%	1/4W
R166	1-249-417-11	CARBON	1K	5%	1/4W
R167	1-249-413-11	CARBON	470	5%	1/4W
R168	1-249-413-11	CARBON	470	5%	1/4W
R177	1-249-429-11	CARBON	10K	5%	1/4W
R178	1-249-425-11	CARBON	4.7K	5%	1/4W
R179	1-249-393-11	CARBON	10	5%	1/4W
R180	1-249-429-11	CARBON	10K	5%	1/4W
**********					
*	A-4390-094-A	DISPLAY BOARD, COMPLETE (EXCEPT D550Z/AUS)			
*	A-4390-117-A	DISPLAY BOARD, COMPLETE (AUS)			
*	A-4390-406-A	DISPLAY BOARD, COMPLETE (D550Z)			
		**********			
*	4-921-941-01	CUSHION (FL)			
*	4-981-656-01	HOLDER, FL TUBE			
	7-682-548-04	SCREW +BVTT 3X8 (S)			

Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C100	1-126-096-11	ELECT	10uF	20%	35V
C101	1-126-096-11	ELECT	10uF	20%	35V
C102	1-124-261-00	ELECT	10uF	20%	50V
C105	1-104-905-11	CAPACITOR	0.22F		5.5V
C106	1-164-159-11	CERAMIC	0.1uF		50V
C107	1-136-173-00	FILM	0.47uF	5%	50V
C109	1-164-159-11	CERAMIC	0.1uF		50V
C110	1-164-159-11	CERAMIC	0.1uF		50V
C111	1-162-306-11	CERAMIC	0.01uF	30%	16V
C112	1-164-159-11	CERAMIC	0.1uF		50V
C113	1-164-159-11	CERAMIC	0.1uF		50V
C114	1-164-159-11	CERAMIC	0.1uF		50V
C115	1-124-589-11	ELECT	47uF	20%	16V
C116	1-124-443-00	ELECT	100MF	20%	10V
C117	1-162-282-31	CERAMIC	100PF	10%	50V
C118	1-126-968-11	ELECT	100uF	20%	50V
C121	1-162-282-31	CERAMIC	100PF	10%	50V
C122	1-162-282-31	CERAMIC	100PF	10%	50V
C123	1-162-282-31	CERAMIC	100PF	10%	50V
C124	1-162-282-31	CERAMIC	100PF	10%	50V
C125	1-162-282-31	CERAMIC	100PF	10%	50V
C126	1-162-282-31	CERAMIC	100PF	10%	50V
C127	1-162-282-31	CERAMIC	100PF	10%	50V
C128	1-162-282-31	CERAMIC	100PF	10%	50V
C129	1-162-282-31	CERAMIC	100PF	10%	50V
C130	1-162-282-31	CERAMIC	100PF	10%	50V
C131	1-162-282-31	CERAMIC	100PF	10%	50V
C132	1-162-282-31	CERAMIC	100PF	10%	50V
C133	1-162-282-31	CERAMIC	100PF	10%	50V
C134	1-162-282-31	CERAMIC	100PF	10%	50V
C135	1-162-282-31	CERAMIC	100PF	10%	50V
C136	1-162-282-31	CERAMIC	100PF	10%	50V
		< CONNECTOR >			
CNJ100	1-770-396-11	HOUSING, CONNECTOR (PC BOARD) 3P			
CNJ103	1-770-401-11	HOUSING, CONNECTOR (PC BOARD) 8P			
* CNJ104	1-565-482-11	CONNECTOR, BOARD TO BOARD 6P			
* CNJ109	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P			
* CNS100	1-568-864-11	SOCKET, CONNECTOR 21P			
* CNS101	1-568-867-11	SOCKET, CONNECTOR 25P			
		< DIODE >			
D109	8-719-987-63	DIODE 1N4148M-TP (AUS)			
D110	8-719-987-63	DIODE 1N4148M-TP (AUS)			
D115	8-719-987-63	DIODE 1N4148M-TP			
D116	8-719-987-63	DIODE 1N4148M-TP			
D117	8-719-987-63	DIODE 1N4148M-TP (D550Z)			
D118	8-719-301-49	DIODE SEL2810A-CD (INDEX)			
D119	8-719-301-49	DIODE SEL2810A-CD (TONE)			
D120	8-719-301-49	DIODE SEL2810A-CD (SUR)			

Ref. No.	Part No.	Description			Remark
D124	8-719-301-49	DIODE SEL2810A-CD (TAPE MONITOR)			
D125	8-719-313-43	DIODE SEL6210S-TH10 (STANDBY)(AUS)			
D128	8-719-987-63	DIODE 1N4148M-TP			
D140	8-719-987-63	DIODE 1N4148M-TP			
D141	8-719-987-63	DIODE 1N4148M-TP			
D142	8-719-987-63	DIODE 1N4148M-TP			
D143	8-719-987-63	DIODE 1N4148M-TP			
D144	8-719-987-63	DIODE 1N4148M-TP			
D145	8-719-987-63	DIODE 1N4148M-TP			
		< INDICATOR TUBE, FLUORESCENT>			
FL101	1-517-519-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC101	8-759-635-31	IC M50253P			
IC102	8-749-923-11	IC GP1U58XB			
IC103	8-759-820-62	IC LB1639			
IC104	8-759-398-27	IC MB90673PF-G-156			
IC105	8-759-261-63	IC M66004M6FP			
		< COIL >			
L101	1-410-509-11	INDUCTOR 10uH			
		< TRANSISTOR >			
Q101	8-729-900-80	TRANSISTOR BA1A4M-TP (AUS)			
Q103	8-729-900-36	TRANSISTOR BA1F4M-TP			
Q105	8-729-119-79	TRANSISTOR 2SC2785TP-FEK			
Q106	8-729-900-80	TRANSISTOR BA1A4M-TP			
Q107	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
Q108	8-729-900-80	TRANSISTOR BA1A4M-TP(AUS)			
		< RESISTOR >			
R100	1-249-413-11	CARBON	470	5%	1/4W
R101	1-249-429-11	CARBON	10K	5%	1/4W
R102	1-249-413-11	CARBON	470	5%	1/4W
R103	1-249-385-11	CARBON	2.2	5%	1/6W
R104	1-249-807-31	CARBON	100	5%	1/4W
R105	1-249-429-11	CARBON	10K	5%	1/4W
R106	1-249-429-11	CARBON	10K	5%	1/4W
R107	1-249-419-11	CARBON	1.5K	5%	1/4W
R108	1-249-417-11	CARBON	1K	5%	1/4W
R109	1-249-417-11	CARBON	1K	5%	1/4W
R110	1-249-417-11	CARBON	1K	5%	1/4W
R111	1-249-417-11	CARBON	1K	5%	1/4W
R112	1-249-417-11	CARBON	1K	5%	1/4W
R113	1-249-425-11	CARBON	4.7K	5%	1/4W
R114	1-249-441-11	CARBON	100K	5%	1/4W
R115	1-249-437-11	CARBON	47K	5%	1/4W
R116	1-249-425-11	CARBON	4.7K	5%	1/4W
R117	1-249-429-11	CARBON	10K	5%	1/4W
R118	1-249-429-11	CARBON	10K	5%	1/4W

DISPLAY | F2 TO F3 | FF TRANSFORMER | H/P | PHONO AMP

Ref. No.	Part No.	Description			Remark
R119	1-249-385-11	CARBON	2.2	5%	1/6W
R120	1-249-417-11	CARBON	1K	5%	1/4W
R122	1-249-434-11	CARBON	27K	5%	1/4W
R123	1-249-437-11	CARBON	47K	5%	1/4W
R124	1-249-429-11	CARBON	10K	5%	1/4W
R125	1-247-807-31	CARBON	100	5%	1/4W (US,CND)
R126	1-247-807-31	CARBON	100	5%	1/4W
R128	1-249-433-11	CARBON	100	5%	1/4W
R129	1-249-433-11	CARBON	22K	5%	1/4W
R130	1-249-433-11	CARBON	22K	5%	1/4W
R131	1-249-433-11	CARBON	22K	5%	1/4W
R132	1-249-433-11	CARBON	22K	5%	1/4W
R133	1-249-433-11	CARBON	22K	5%	1/4W
R134	1-249-433-11	CARBON	22K	5%	1/4W
R135	1-249-437-11	CARBON	47K	5%	1/4W (EXCEPT D550Z)
R136	1-249-437-11	CARBON	47K	5%	1/4W (EXCEPT D550Z)
R137	1-249-437-11	CARBON	47K	5%	1/4W (EXCEPT D550Z)
R138	1-249-437-11	CARBON	47K	5%	1/4W (EXCEPT D550Z)
R140	1-249-425-11	CARBON	4.7K	5%	1/4W
R141	1-249-417-11	CARBON	1K	5%	1/4W
R142	1-249-417-11	CARBON	1K	5%	1/4W
R144	1-249-425-11	CARBON	4.7K	5%	1/4W
R145	1-249-425-11	CARBON	4.7K	5%	1/4W
R146	1-249-429-11	CARBON	10K	5%	1/4W
R150	1-249-437-11	CARBON	47K	5%	1/4W
R155	1-249-429-11	CARBON	10K	5%	1/4W
R158	1-249-413-11	CARBON	470	5%	1/4W (AUS)
R161	1-249-437-11	CARBON	47K	5%	1/4W
R162	1-249-433-11	CARBON	22K	5%	1/4W
R163	1-249-417-11	CARBON	1K	5%	1/4W
		< RELAY >			
RY101	1-515-614-11	RELAY			
		< SWITCH >			
S109	1-554-303-21	SWITCH, TACTILE (UP)			
S110	1-554-303-21	SWITCH, TACTILE (DOWN)			
S111	1-554-303-21	SWITCH, TACTILE (3)			
S112	1-554-303-21	SWITCH, TACTILE (6)			
S113	1-554-303-21	SWITCH, TACTILE (9)			
S116	1-554-303-21	SWITCH, TACTILE (<)			
S117	1-554-303-21	SWITCH, TACTILE (>)			
S118	1-554-303-21	SWITCH, TACTILE (2)			
S119	1-554-303-21	SWITCH, TACTILE (5)			
S120	1-554-303-21	SWITCH, TACTILE (8)			
S121	1-554-303-21	SWITCH, TACTILE (0)			
S123	1-554-303-21	SWITCH, TACTILE (GENRE)			
S124	1-554-303-21	SWITCH, TACTILE (DPC MODE)			
S125	1-554-303-21	SWITCH, TACTILE (1)			
S126	1-554-303-21	SWITCH, TACTILE (4)			
S127	1-554-303-21	SWITCH, TACTILE (7)			
S128	1-554-303-21	SWITCH, TACTILE (DIRECT)			
S129	1-554-303-21	SWITCH, TACTILE (ON/OFF)			
S130	1-554-303-21	SWITCH, TACTILE (CENTER MODE)			
S131	1-554-303-21	SWITCH, TACTILE (PHONO)			
S132	1-554-303-21	SWITCH, TACTILE (TUNER)			
S133	1-554-303-21	SWITCH, TACTILE (CD)			
S134	1-554-303-21	SWITCH, TACTILE (DAT/MD)			
S136	1-554-303-21	SWITCH, TACTILE (MODE)			
S137	1-554-303-21	SWITCH, TACTILE (TONE ON/OFF)			
S139	1-554-303-21	SWITCH, TACTILE (VIDEO 1)			
S140	1-554-303-21	SWITCH, TACTILE (VIDEO 2)			
S142	1-554-303-21	SWITCH, TACTILE (TV/DBS)			
S143	1-554-303-21	SWITCH, TACTILE (TAPE MONITOR)			
		< VIBRATOR >			
X100	1-567-819-11	VIBRATOR, CERAMIC (4.00MHz)			
**********					
*	1-660-473-11	F2 TO F3 BOARD **********			
		< CONNECTOR >			
CNJ301	1-750-179-11	SOCKET, CONNECTOR 5P			
CNP201	1-750-180-11	PIN, CONNECTOR (PC BOARD) 5P			
**********					
*	1-660-489-11	FF TRANSFORMER BOARD **********			
**********					
*	1-660-486-11	H/P BOARD **********			
		< CONNECTOR >			
CNP100	1-770-387-11	PIN, CONNECTOR (PC BOARD) 3P			
		< JACK >			
J100	1-568-519-41	JACK, LARGE TYPE (PHONES)			
**********					
*	A-4390-098-A	PHONO AMP BOARD, COMPLETE **********			
		< CAPACITOR >			
C303	1-162-282-31	CERAMIC	100PF	10%	50V
C304	1-104-664-11	ELECT	47uF	20%	25V
C305	1-130-480-00	MYLAR	0.0056uF	5%	50V
C306	1-130-473-00	MYLAR	0.0015uF	5%	50V
C307	1-124-903-11	ELECT	1uF	20%	50V

Ref. No.	Part No.	Description			Remark
C308	1-164-159-11	CERAMIC	0.1uF		50V
C353	1-162-282-31	CERAMIC	100PF	10%	50V
C354	1-104-664-11	ELECT	47uF	20%	25V
C355	1-130-480-00	MYLAR	0.0056uF	5%	50V
C356	1-130-473-00	MYLAR	0.0015uF	5%	50V
C357	1-124-903-11	ELECT	1uF	20%	50V
C358	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CNP302	1-695-095-11	SOCKET, CONNECTOR 13P			
CNJ303	1-695-095-11	SOCKET, CONNECTOR 13P			
CNJ304	1-695-092-11	SOCKET, CONNECTOR 7P			
		< IC >			
IC301	8-759-634-51	IC M5218AP			
		< RESISTOR >			
R303	1-249-441-11	CARBON	100K	5%	1/4W
R304	1-249-416-11	CARBON	820	5%	1/4W
R305	1-247-897-11	CARBON	560K	5%	1/4W
R306	1-249-437-11	CARBON	47K	5%	1/4W
R307	1-249-441-11	CARBON	100K	5%	1/4W
R308	1-247-807-31	CARBON	100	5%	1/4W
R353	1-249-441-11	CARBON	100K	5%	1/4W
R354	1-249-416-11	CARBON	820	5%	1/4W
R355	1-247-897-11	CARBON	560K	5%	1/4W
R356	1-249-437-11	CARBON	47K	5%	1/4W
R357	1-249-441-11	CARBON	100K	5%	1/4W
R358	1-247-807-31	CARBON	100	5%	1/4W

****

* 1-660-476-11 PRIMARY JOINT BOARD
****

< CONNECTOR >

CNJ902 1-770-568-11 SOCKET 3P

****

* 1-660-475-11 PRIMARY TRANSFORMER BOARD
****

****

* 1-660-490-11 SECONDARY BOARD
****

****

* 1-660-491-11 SECONDARY JOINT BOARD
****

1-533-399-31 HOLDER, FUSE

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
* CNJ801	1-750-533-11	SOCKET 6P	
* CNJ802	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P	
		< DIODE >	
D804	8-719-987-63	DIODE 1N4148M-TP	
D908	8-719-014-66	DIODE UZP-5.6B-TP	
		< FUSE >	
⚠F801	1-533-311-11	FUSE,GLASS CYLINDRICAL (DIA.5) (8A 125V)	(D650Z/DE705:US,CND)
⚠F801	1-533-310-11	FUSE,GLASS TUBE (6.3A 125V) (D550Z/DE605)	
⚠F801	1-532-506-51	FUSE,TIME LAG (T6.3AL 250V) (DE705:AUS)	
⚠F802	1-533-311-11	FUSE,GLASS CYLINDRICAL (DIA.5) (8A 125V)	(D650Z/DE705:US,CND)
⚠F802	1-533-310-11	FUSE,GLASS TUBE (6.3A 125V) (D550Z/DE605)	
⚠F802	1-532-506-51	FUSE,TIME LAG (T6.3AL 250V) (AUS)	
⚠F803	1-576-108-11	FUSE (4A 125V) (EXCEPT AUS)	
⚠F803	1-532-504-51	FUSE,TIME LAG (T4AL 250V) (AUS)	
⚠F804	1-576-108-11	FUSE (4A 125V) (EXCEPT AUS)	
⚠F804	1-532-504-51	FUSE,TIME LAG (T4AL 250V) (AUS)	
		< RELAY >	
RY801	1-515-894-11	RELAY (EXCEPT CND)	
RY851	1-515-918-11	RELAY (CND)	
RY852	1-515-918-11	RELAY(CND)	

****

* 1-660-482-11 SP JOINT BOARD
****

< CONNECTOR >

CNJ702 1-770-569-11 SOCKET 4P
CNP703 1-770-481-11 PIN, CONNECTOR 4P

****

* 1-660-479-11 SP SW BOARD
****

< CONNECTOR >

* CNP104 1-569-798-11 PLUG, CONNECTOR 6P

< DIODE >

D113 8-719-987-63 DIODE 1N4148M-TP
D114 8-719-987-63 DIODE 1N4148M-TP

< SWITCH >

S101 1-762-268-11 SWITCH, ROTARY (SPEAKERS)
S102 1-554-118-00 SWITCH, PUSH (1 KEY) (POWER)(AUS)
S108 1-554-303-21 SWITCH, TACTILE (POWER) (EXCEPT AUS)

****

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SP TM STANDBY

Ref. No.	Part No.	Description	Remark
*	1-660-488-11	SP TM BOARD	
		**********	
		< CONNRCTOR >	
CNJ703	1-770-569-11	SOCKET 4P	
CNJ704	1-695-092-11	SOCKET, CONNECTOR 7P	
		< DIODE >	
D712	8-719-987-63	DIODE 1N4148M-TP	
D762	8-719-987-63	DIODE 1N4148M-TP	
		< JACK >	
J701	1-770-377-21	JACK, PIN 1P (MIX AUDIO OUT) (DE605/DE705)	
		< COIL >	
L701	1-420-872-00	COIL, AIR-CORE	
L751	1-420-872-00	COIL, AIR-CORE	
		< TRANSISTOR >	
Q714	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q716	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q717	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q718	8-729-900-80	TRANSISTOR BA1A4M-TP	
Q764	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
		< RESISTOR >	
R713	1-249-389-11	CARBON 4.7 5% 1/4W	
R718	1-249-421-11	CARBON 2.2K 5% 1/4W	(DE605/DE705)
R724	1-249-429-11	CARBON 10K 5% 1/4W	
R725	1-249-425-11	CARBON 4.7K 5% 1/4W	
R726	1-249-414-11	CARBON 560 5% 1/4W	
R729	1-249-438-11	CARBON 56K 5% 1/4W	(DE605/DE705)
R730	1-249-438-11	CARBON 56K 5% 1/4W	(DE605/DE705)
R731	1-249-438-11	CARBON 56K 5% 1/4W	(DE605/DE705)
R732	1-249-438-11	CARBON 56K 5% 1/4W	(DE605/DE705)
R733	1-249-429-11	CARBON 10K 5% 1/4W	
R734	1-249-429-11	CARBON 10K 5% 1/4W	
R763	1-249-389-11	CARBON 4.7 5% 1/4W	
R774	1-249-429-11	CARBON 10K 5% 1/4W	
R775	1-249-425-11	CARBON 4.7K 5% 1/4W	
R776	1-249-414-11	CARBON 560 5% 1/4W	
		< RELAY >	
RY701	1-515-741-11	RELAY (D650Z/DE705)	
RY701	1-515-765-11	RELAY (D550Z/DE605)	
RY702	1-515-741-11	RELAY (D650Z/DE705)	
RY702	1-515-765-11	RELAY (D550Z/DE605)	

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
S701	1-692-196-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)	(D650Z/DE705)
		< TERMINAL >	
TM701	1-537-376-11	TERMINAL BOARD (SP) (FRONT SPEAKERS)	
**********			
*	A-4390-110-A	STANDBY BOARD, COMPLETE (EXCEPT AUS)	
*	A-4390-119-A	STANDBY BOARD, COMPLETE (AUS)	
		**********	
	1-533-399-31	HOLDER, FUSE	
*	1-537-738-21	TERMINAL, EARTH	
		< CAPACITOR >	
C901	1-161-494-00	CERAMIC 0.022uF	25V
C902	1-161-494-00	CERAMIC 0.022uF	25V
C903	1-126-942-61	ELECT 1000uF 20%	25V
C904	1-124-903-11	ELECT 1uF 20%	50V
C905	1-124-902-00	ELECT 0.47uF 20%	50V
C906	1-124-464-11	ELECT 0.22uF 20%	50V
C907	1-164-159-11	CERAMIC 0.1	50V
C913	1-164-159-11	CERAMIC 0.1uF	50V
C914	1-164-159-11	CERAMIC 0.1uF	50V
		< AC OUTLET >	
⚠CNJ901	1-540-060-11	OUTLET, AC (POLAR) (AC OUTLET)	(EXCEPT AUS)
⚠CNJ901	1-251-078-11	OUTLET, AC (AC OUTLET) (AUS)	
		< CONNECTOR >	
CNP803	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P	
CNJ905	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P	
* CNP902	1-564-751-11	PIN, CONNECTOR (WITH LOCK) 2P	
CNP903	1-564-321-00	PIN, CONNECTOR 2P	
* CNP904	1-580-230-21	PIN, CONNECTOR (PC BOARD) 2P (AUS)	
		< DIODE >	
D901	8-719-024-99	DIODE 11ES2-NTA2B	
D902	8-719-024-99	DIODE 11ES2-NTA2B	
D903	8-719-024-99	DIODE 11ES2-NTA2B	
D904	8-719-024-99	DIODE 11ES2-NTA2B	
D905	8-719-987-63	DIODE 1N4148M-TP	
D906	8-719-987-63	DIODE 1N4148M-TP	
D907	8-719-987-63	DIODE 1N4148M-TP	
		< FUSE >	
⚠F901	1-533-311-11	FUSE,GLASS CYLINDRICAL (DIA.5) (8A 125V)	(D650Z/DE705:US,CND)
⚠F901	1-533-310-11	FUSE,GLASS TUBE(6.3A 125V) (D550Z/DE605)	
⚠F901	1-532-506-51	FUSE,TIME LAG (T6.3AL 250V) (AUS)	
⚠F902	1-532-464-51	FUSE,TIME LAG (T2.5AL 250V) (AUS)	

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STANDBY | STANDBY TO AMP JOINT | SURROUND

Ref. No.	Part No.	Description			Remark
		< IC >			
IC901	8-759-333-83	IC NJM2103D			
		< TRANSISTOR >			
Q901	8-729-119-79	TRANSISTOR 2SC2785TP-FEK			
Q902	8-729-030-18	TRANSISTOR 2SD2525 (TP)			
		< RESISTOR >			
⚠R901	1-202-725-00	SOLID	3.3M	10%	1/2W F (EXCEPT AUS)
R902	1-249-429-11	CARBON	10K	5%	1/4W
R903	1-249-425-11	CARBON	4.7K	5%	1/4W
R904	1-249-417-11	CARBON	1K	5%	1/4W
R905	1-249-429-11	CARBON	10K	5%	1/4W
R906	1-247-840-00	CARBON	2.4K	5%	1/4W
R908	1-249-433-11	CARBON	22K	5%	1/4W
R909	1-249-439-11	CARBON	68K	5%	1/4W
R910	1-249-429-11	CARBON	10K	5%	1/4W
R911	1-249-417-11	CARBON	1K	5%	1/4W
R912	1-249-423-11	CARBON	3.3K	5%	1/4W
		< RELAY >			
⚠RY901	1-515-999-11	RELAY, POWER			
		< TRANSFORMER >			
⚠T902	1-450-361-11	TRANSFORMER, POWER (EXCEPT AUS)			
⚠T902	1-450-358-11	TRANSFORMER, POWER (AUS)			
**********					
*	1-660-484-11	STANDBY TO AMP JOINT BOARD			
		**********			
		< CONNECTOR >			
CNP704	1-695-087-11	PIN, CONNECTOR (PC BOARD) 7P			
CNP905	1-770-405-11	CONNECTOR, BOARD TO BOARD 8P			
CNP803	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P			
**********					
*	A-4390-407-A	SURROUND BOARD, COMPLETE (D550Z/DE605)			
*	A-4390-146-A	SURROUND BOARD, COMPLETE (DE705:AUS)			
*	A-4390-107-A	SURROUND BOARD, COMPLETE (DE705:US,CND)			
*	A-4390-490-A	SURROUND BOARD, COMPLETE (D650Z)			
		**********			
*	1-537-738-21	TERMINAL, EARTH			
		< CAPACITOR >			
C301	1-126-163-11	ELECT	4.7uF	20%	50V
C302	1-164-073-11	CERAMIC	100PF	10%	50V
C311	1-126-163-11	ELECT	4.7uF	20%	50V
C312	1-126-163-11	ELECT	4.7uF	20%	50V
C313	1-126-163-11	ELECT	4.7uF	20%	50V
C316	1-164-159-11	CERAMIC	0.1uF		50V
C351	1-126-163-11	ELECT	4.7uF	20%	50V
C352	1-164-073-11	CERAMIC	100PF	10%	50V
C361	1-126-163-11	ELECT	4.7uF	20%	50V
C362	1-126-163-11	ELECT	4.7uF	20%	50V
C363	1-126-163-11	ELECT	4.7uF	20%	50V
C366	1-164-159-11	CERAMIC	0.1uF		50V
C397	1-164-073-11	CERAMIC	100PF	10%	50V
C398	1-164-085-11	CERAMIC	0.001uF	10%	50V
C400	1-162-282-31	CERAMIC	100PF	10%	50V
C403	1-136-157-00	FILM	0.022uF	5%	50V
C404	1-136-161-00	FILM	0.047uF	5%	50V
C405	1-104-666-11	ELECT	220uF	20%	10V
C406	1-124-907-11	ELECT	10uF	20%	50V
C407	1-124-907-11	ELECT	10uF	20%	50V
C408	1-124-907-11	ELECT	10uF	20%	50V
C409	1-124-907-11	ELECT	10uF	20%	50V
C410	1-104-666-11	ELECT	220uF	20%	10V
C411	1-126-963-11	ELECT	4.7uF	20%	50V
C412	1-126-963-11	ELECT	4.7uF	20%	50V
C413	1-136-165-00	FILM	0.1uF	5%	50V
C414	1-136-165-00	FILM	0.1uF	5%	50V
C415	1-124-902-00	ELECT	0.47uF	20%	50V
C416	1-126-963-11	ELECT	4.7uF	20%	50V
C417	1-124-902-00	ELECT	0.47uF	20%	50V
C418	1-126-963-11	ELECT	4.7uF	20%	50V
C419	1-124-250-11	ELECT	0.15uF	20%	50V
C420	1-126-962-11	ELECT	3.3uF	20%	50V
C421	1-124-250-11	ELECT	0.15uF	20%	50V
C422	1-162-282-31	CERAMIC	100PF	10%	50V
C423	1-104-664-11	ELECT	47uF	20%	16V
C424	1-136-165-00	FILM	0.1uF	5%	50V
C425	1-136-165-00	FILM	0.1uF	5%	50V
C426	1-124-902-00	ELECT	0.47uF	20%	50V
C427	1-126-963-11	ELECT	4.7uF	20%	50V
C428	1-126-963-11	ELECT	4.7uF	20%	50V
C429	1-124-250-11	ELECT	0.15uF	20%	50V
C430	1-124-902-00	ELECT	0.47uF	20%	50V
C431	1-126-962-11	ELECT	3.3uF	20%	50V
C432	1-124-250-11	ELECT	0.15uF	20%	50V
C433	1-104-666-11	ELECT	220uF	20%	10V
C434	1-104-664-11	ELECT	47uF	20%	16V
C435	1-164-159-11	CERAMIC	0.1uF		50V
C436	1-126-961-11	ELECT	2.2uF	20%	50V
C437	1-104-666-11	ELECT	220uF	20%	10V
C438	1-136-165-00	FILM	0.1uF	5%	50V
C439	1-124-907-11	ELECT	10uF	20%	50V
C440	1-130-469-00	MYLAR	680PF	5%	50V
C444	1-126-963-11	ELECT	4.7uF	20%	50V
C446	1-164-159-11	CERAMIC	0.1uF		50V
C447	1-136-173-00	FILM	0.47uF	5%	50V
C448	1-126-963-11	ELECT	4.7uF	20%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SURROUND

Ref. No.	Part No.	Description			Remark
C449	1-162-215-31	CERAMIC	47PF	5%	50V
C450	1-162-215-31	CERAMIC	47PF	5%	50V
C451	1-164-159-11	CERAMIC	0.1uF		50V
C452	1-104-666-11	ELECT	220uF	20%	10V
C453	1-136-159-00	FILM	0.033uF	5%	50V
C454	1-130-473-00	MYLAR	0.0015uF	5%	50V
C455	1-136-159-00	FILM	0.33uF	5%	50V
C456	1-124-903-11	ELECT	1uF	20%	50V
C457	1-104-666-11	ELECT	220uF	20%	10V
C461	1-164-159-11	CERAMIC	0.1uF		50V
C462	1-164-159-11	CERAMIC	0.1uF		50V
C470	1-136-153-00	FILM	0.01uF	5%	50V
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C473	1-126-963-11	ELECT	4.7uF	4.7uF	50V
C474	1-164-159-11	CERAMIC	0.1uF		50V
C480	1-136-153-00	FILM	0.01uF	5%	50V
C481	1-126-963-11	ELECT	4.7uF	20%	50V
C484	1-164-159-11	CERAMIC	0.1uF		50V
C491	1-126-963-11	ELECT	4.7uF	20%	50V
C494	1-126-963-11	ELECT	4.7uF	20%	50V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C502	1-164-073-11	CERAMIC	100PF	10%	50V
C503	1-102-989-00	CERAMIC	68PF	5%	500V
C504	1-102-989-00	CERAMIC	68PF	5%	500V
C505	1-104-665-11	ELECT	100uF	20%	16V
C506	1-136-159-00	FILM	0.033uF	5%	50V
C507	1-136-171-00	FILM	0.33uF	5%	50V
C508	1-124-910-11	ELECT	47uF	20%	50V
C509	1-136-163-00	FILM	0.068uF	5%	50V
C510	1-136-154-00	FILM	0.012uF	5%	50V
C511	1-130-476-00	MYLAR	0.0027uF	5%	50V
C512	1-136-157-00	FILM	0.022uF	5%	50V
C513	1-164-046-11	CERAMIC	10PF	0.5PF	50V
C514	1-164-046-11	CERAMIC	10PF	0.5PF	50V
C521	1-126-963-11	ELECT	4.7uF	20%	50V
C522	1-164-073-11	CERAMIC	100PF	10%	50V
C523	1-104-664-11	ELECT	47uF	20%	16V
C524	1-102-989-00	CERAMIC	68PF	5%	500V
C525	1-102-989-00	CERAMIC	68PF	5%	500V
C526	1-164-040-11	CERAMIC	4PF	0.25PF	50V
C551	1-126-963-11	ELECT	4.7uF	20%	50V
C552	1-164-073-11	CERAMIC	100PF	10%	50V
C553	1-102-989-00	CERAMIC	68PF	5%	500V
C554	1-102-989-00	CERAMIC	68PF	5%	500V
C555	1-104-665-11	ELECT	100uF	20%	16V
C556	1-136-159-00	FILM	0.033uF	5%	50V
C557	1-136-171-00	FILM	0.33uF	5%	50V
C558	1-124-910-11	ELECT	47uF	20%	50V
C559	1-136-163-00	FILM	0.068uF	5%	50V
C560	1-136-154-00	FILM	0.012uF	5%	50V
C561	1-130-476-00	MYLAR	0.0027uF	5%	50V
C562	1-136-157-00	FILM	0.022uF	5%	50V
C563	1-164-046-11	CERAMIC	10PF	0.5PF	50V
C564	1-164-046-11	CERAMIC	10PF	0.5PF	50V
C593	1-124-929-11	ELECT	22uF	20%	100V
C594	1-124-929-11	ELECT	22uF	20%	100V
C595	1-164-159-11	CERAMIC	0.1uF		50V
C596	1-104-664-11	ELECT	47uF	20%	16V
C597	1-104-664-11	ELECT	47uF	20%	16V
C598	1-162-282-31	CERAMIC	100PF	10%	50V

< CONNECTOR >

CNJ501	1-770-404-11	HOUSING,CONNECTOR (PC BOARD)11P	
CNJ502	1-770-404-11	HOUSING,CONNECTOR (PC BOARD)11P	
CNP303	1-695-090-11	PIN,CONNECTOR (PC BOARD) 13P	
CNP304	1-695-087-11	PIN,CONNECTOR (PC BOARD) 7P	
* CNS402	1-568-841-11	SOCKET, CONNECTOR 25P	
* CNS403	1-568-828-11	SOCKET, CONNECTOR 9P (DE705:US,CND)	
CNS404	1-568-440-11	SOCKET, CONNECTOR 17P	

< DIODE >

D401	8-719-936-61	DIODE	GL9HY35
D402	8-719-987-63	DIODE	1N4148M-TP
D403	8-719-024-99	DIODE	11ES2-NTA2B

< IC >

IC302	8-759-634-50	IC	M5218AL
IC303	8-759-634-50	IC	M5218AL
IC305	8-759-805-14	IC	LC7822
IC401	8-759-248-74	IC	LA2785
IC402	8-759-341-23	IC	LV1011
IC403	8-759-634-51	IC	M5218AP
IC404	8-759-801-01	IC	LC4966
IC501	8-749-010-79	IC	STK350-030
IC502	8-759-072-32	IC	TC9184P
IC503	8-749-011-16	IC	STK350-230

< JACK >

J301	1-691-887-11	JACK, PIN 6P (PHONO IN,CD IN,DAT/MD:REC OUT)
J302	1-580-825-11	JACK, PIN 6P (DAT/MD:IN,TAPE MONITOR:REC OUT,IN)

< COIL >

L401	1-410-509-11	INDUCTOR	10uH
L402	1-410-509-11	INDUCTOR	10uH

< TRANSISTOR >

Q301	8-729-141-30	TRANSISTOR	2SC3623ATP-LK
Q302	8-729-141-30	TRANSISTOR	2SC3623ATP-LK
Q401	8-729-141-30	TRANSISTOR	2SC3623ATP-LK
Q402	8-729-141-30	TRANSISTOR	2SC3623ATP-LK

Ref. No.	Part No.	Description			Remark
Q403	8-729-140-96	TRANSISTOR 2SD774-T-34			
Q409	8-729-900-63	TRANSISTOR BN1F4M-TP			
Q410	8-729-900-63	TRANSISTOR BN1F4M-TP			
Q411	8-729-900-63	TRANSISTOR BN1F4M-TP			
Q461	8-729-900-36	TRANSISTOR BA1F4M-TP			
Q462	8-729-900-63	TRANSISTOR BN1F4M-TP			
Q501	8-729-141-30	TRANSISTOR 2SC3623ATP-LK			
Q502	8-729-202-67	TRANSISTOR 2SK246GR3-TPE2			
Q551	8-729-141-30	TRANSISTOR 2SC3623ATP-LK			
Q552	8-729-202-67	TRANSISTOR 2SK246GR3-TPE2			
		< RESISTOR >			
R301	1-249-409-11	CARBON	220	5%	1/4W
R302	1-249-441-11	CARBON	110K	5%	1/4W
R310	1-249-421-11	CARBON	2.2K	5%	1/4W
R311	1-249-417-11	CARBON	1K	5%	1/4W
R312	1-249-417-11	CARBON	1K	5%	1/4W
R313	1-249-417-11	CARBON	1K	5%	1/4W
R314	1-249-417-11	CARBON	1K	5%	1/4W
R315	1-249-441-11	CARBON	100K	5%	1/4W
R316	1-249-437-11	CARBON	47K	5%	1/4W
R317	1-249-437-11	CARBON	47K	5%	1/4W
R318	1-249-441-11	CARBON	100K	5%	1/4W
R320	1-249-425-11	CARBON	4.7K	5%	1/4W
R321	1-249-429-11	CARBON	10K	5%	1/4W
R351	1-249-409-11	CARBON	220	5%	1/4W
R352	1-249-441-11	CARBON	100K	5%	1/4W
R360	1-249-421-11	CARBON	2.2K	5%	1/4W
R361	1-249-417-11	CARBON	1K	5%	1/4W
R362	1-249-417-11	CARBON	1K	5%	1/4W
R363	1-249-417-11	CARBON	1K	5%	1/4W
R364	1-249-417-11	CARBON	1K	5%	1/4W
R365	1-249-441-11	CARBON	100K	5%	1/4W
R366	1-249-437-11	CARBON	47K	5%	1/4W
R367	1-249-437-11	CARBON	47K	5%	1/4W
R368	1-249-441-11	CARBON	100K	5%	1/4W
R370	1-249-425-11	CARBON	4.7K	5%	1/4W
R371	1-249-429-11	CARBON	10K	5%	1/4W
R397	1-249-417-11	CARBON	1K	5%	1/4W
R398	1-249-425-11	CARBON	4.7K	5%	1/4W
R401	1-249-417-11	CARBON	1K	5%	1/4W
R402	1-249-417-11	CARBON	1K	5%	1/4W
R407	1-249-417-11	CARBON	1K	5%	1/4W
R408	1-249-431-11	CARBON	15K	5%	1/4W
R409	1-249-407-11	CARBON	150	5%	1/4W
R410	1-249-436-11	CARBON	39K	5%	1/4W
R411	1-249-439-11	CARBON	68K	5%	1/4W
R412	1-247-903-00	CARBON	1M	5%	1/4W
R432	1-249-441-11	CARBON	100K	5%	1/4W
R433	1-249-437-11	CARBON	47K	5%	1/4W
R434	1-249-441-11	CARBON	100K	5%	1/4W
R435	1-249-437-11	CARBON	47K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R436	1-249-437-11	CARBON	47K	5%	1/4W
R437	1-249-416-11	CARBON	820	5%	1/4W
R438	1-249-429-11	CARBON	10K	5%	1/4W
R443	1-249-433-11	CARBON	22K	5%	1/4W
R448	1-249-417-11	CARBON	1K	5%	1/4W
R461	1-249-437-11	CARBON	47K	5%	1/4W
R471	1-249-429-11	CARBON	10K	5%	1/4W
R472	1-249-431-11	CARBON	15K	5%	1/4W
R473	1-249-429-11	CARBON	10K	5%	1/4W
R474	1-249-417-11	CARBON	1K	5%	1/4W
R475	1-249-425-11	CARBON	4.7K	5%	1/4W
R476	1-249-441-11	CARBON	100K	5%	1/4W
R481	1-249-429-11	CARBON	10K	5%	1/4W
R482	1-247-883-00	CARBON	150K	5%	1/4W
R483	1-249-429-11	CARBON	10K	5%	1/4W
R484	1-249-417-11	CARBON	1K	5%	1/4W
R485	1-249-425-11	CARBON	4.7K	5%	1/4W
R486	1-249-441-11	CARBON	100K	5%	1/4W
R501	1-249-417-11	CARBON	1K	5%	1/4W
R502	1-249-441-11	CARBON	100K	5%	1/4W
R503	1-249-413-11	CARBON	470	5%	1/4W
R504	1-249-440-11	CARBON	82K	5%	1/4W
R505	1-249-433-11	CARBON	22K	5%	1/4W
R506	1-249-413-11	CARBON	470	5%	1/4W
R507	1-249-427-11	CARBON	6.8K	5%	1/4W
R508	1-247-883-00	CARBON	150K	5%	1/4W
R509	1-249-423-11	CARBON	3.3K	5%	1/4W
R510	1-247-903-00	CARBON	1M	5%	1/4W
R511	1-249-441-11	CARBON	100K	5%	1/4W
R512	1-249-426-11	CARBON	5.6K	5%	1/4W
R513	1-249-441-11	CARBON	100K	5%	1/4W
R514	1-249-441-11	CARBON	100K	5%	1/4W
R515	1-249-434-11	CARBON	27K	5%	1/4W
R516	1-249-426-11	CARBON	5.6K	5%	1/4W
R517	1-249-418-11	CARBON	1.2K	5%	1/4W
R518	1-249-413-11	CARBON	470	5%	1/4W (D650Z/DE705)
R518	1-249-442-11	CARBON	510	5%	1/4W (D550Z/DE605)
R519	1-249-431-11	CARBON	15K	5%	1/4W
R521	1-249-417-11	CARBON	1K	5%	1/4W
R523	1-249-438-11	CARBON	56K	5%	1/4W
R524	1-249-413-11	CARBON	470	5%	1/4W
R525	1-249-412-11	CARBON	390	5%	1/4W
R526	1-249-438-11	CARBON	56K	5%	1/4W
R551	1-249-417-11	CARBON	1K	5%	1/4W
R552	1-249-441-11	CARBON	100K	5%	1/4W
R553	1-249-413-11	CARBON	470	5%	1/4W
R554	1-249-440-11	CARBON	82K	5%	1/4W
R555	1-249-433-11	CARBON	22K	5%	1/4W
R556	1-249-413-11	CARBON	470	5%	1/4W
R557	1-249-427-11	CARBON	6.8K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R558	1-247-883-00	CARBON	150K	5%	1/4W
R559	1-249-423-11	CARBON	3.3K	5%	1/4W
R560	1-247-903-00	CARBON	1M	5%	1/4W
R561	1-249-441-11	CARBON	100K	5%	1/4W
R562	1-249-426-11	CARBON	5.6K	5%	1/4W
R563	1-249-441-11	CARBON	100K	5%	1/4W
R564	1-249-441-11	CARBON	100K	5%	1/4W
R565	1-249-434-11	CARBON	27K	5%	1/4W
R566	1-249-426-11	CARBON	5.6K	5%	1/4W
R567	1-249-418-11	CARBON	1.2K	5%	1/4W
R568	1-249-413-11	CARBON	470	5%	1/4W (D650Z/DE705)
R568	1-249-442-11	CARBON	510	5%	1/4W (D550Z/DE605)
R569	1-249-431-11	CARBON	15K	5%	1/4W
R592	1-249-397-11	CARBON	22	5%	1/4W
R593	1-249-397-11	CARBON	22	5%	1/4W
R594	1-247-903-00	CARBON	1M	5%	1/4W
R595	1-249-425-11	CARBON	4.7K	5%	1/4W
R596	1-249-419-11	CARBON	1.5K	5%	1/4W
R597	1-249-419-11	CARBON	1.5K	5%	1/4W
R598	1-249-425-11	CARBON	4.7K	5%	1/4W
R599	1-249-417-11	CARBON	1K	5%	1/4W
		< TERMINAL >			
TM401	1-537-734-11	TERMINAL BOARD, ANT (ANTENNA)			
		< TUNER >			
TU401	1-233-592-11	ENCAPSULATED COMPONENT (EXCEPT AUS)			
TU401	1-693-287-11	TUNER (CE) (AUS)			
		< VIBRATOR >			
X401	1-579-952-21	VIBRATOR, CERAMIC (8.00MHz)			
**********					
*	1-660-474-11	TUNER SWITCH BOARD			
		**********			
		< CONNECTOR >			
* CNP109	1-565-295-11	PLUG, CONNECTOR 4P			
		< RESISTOR >			
R170	1-249-411-11	CARBON	330	5%	1/4W
R171	1-249-413-11	CARBON	470	5%	1/4W
R172	1-249-415-11	CARBON	680	5%	1/4W
R173	1-249-417-11	CARBON	1K	5%	1/4W
R174	1-249-419-11	CARBON	1.5K	5%	1/4W
R175	1-249-421-11	CARBON	2.2K	5%	1/4W
R176	1-249-425-11	CARBON	4.7K	5%	1/4W
R177	1-249-429-11	CARBON	10K	5%	1/4W
R178	1-249-433-11	CARBON	22K	5%	1/4W

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S150	1-554-303-21	SWITCH, TACTILE (TUNING/INDEX SELECTOR +)			
S151	1-554-303-21	SWITCH, TACTILE (PRESET TUNING +)			
S152	1-554-303-21	SWITCH, TACTILE (PRESET TUNING -)			
S153	1-554-303-21	SWITCH, TACTILE (SHIFT)			
S154	1-554-303-21	SWITCH, TACTILE (FM/AM)			
S155	1-554-303-21	SWITCH, TACTILE (TUNING/INDEX SELECTOR –)			
S156	1-554-303-21	SWITCH, TACTILE (LEVEL)			
S157	1-554-303-21	SWITCH, TACTILE (FM MODE)			
S158	1-554-303-21	SWITCH, TACTILE (MEMORY)			
S159	1-554-303-21	SWITCH, TACTILE (DISPLAY)			
**********					
*	A-4390-099-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C231	1-124-903-11	ELECT	1uF	20%	50V
C233	1-124-903-11	ELECT	1uF	20%	50V
C234	1-124-903-11	ELECT	1uF	20%	50V
C235	1-124-907-11	ELECT	10uF	20%	50V
C236	1-124-907-11	ELECT	10uF	20%	50V
C237	1-124-907-11	ELECT	10uF	20%	50V
C239	1-104-665-11	ELECT	100uF	20%	16V
C241	1-104-665-11	ELECT	100uF	20%	16V
C242	1-164-159-11	CERAMIC	0.1uF		50V
C243	1-164-159-11	CERAMIC	0.1uF		50V
C244	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CNJ201	1-750-179-11	SOCKET, CONNECTOR 5P			
		< IC >			
IC201	8-759-061-95	IC SN761200N			
		< JACK >			
J201	1-695-317-21	JACK, PIN 2P (MONITOR VIDEO OUT,TV/DBS VIDEO IN)			
J202	1-695-317-21	JACK, PIN 2P (VIDEO 2:VIDEO OUT,VIDEO IN)			
J203	1-695-317-21	JACK, PIN 2P (VIDEO 1:VIDEO OUT,VIDEO IN)			
		< COIL >			
L202	1-410-521-11	INDUCTOR	100uH		
L203	1-410-521-11	INDUCTOR	100uH		
		< TRANSISTOR >			
Q231	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
Q232	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
Q233	8-729-620-05	TRANSISTOR 2SC2603TP-EF			
Q234	8-729-620-05	TRANSISTOR 2SC2603TP-EF			
Q235	8-729-620-05	TRANSISTOR 2SC2603TP-EF			

Ref. No.	Part No.	Description			Remark
Q236	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
		< RESISTOR >			
R201	1-249-403-11	CARBON	68	5%	1/4W
R203	1-249-403-11	CARBON	68	5%	1/4W
R204	1-249-403-11	CARBON	68	5%	1/4W
R235	1-249-403-11	CARBON	68	5%	1/4W
R236	1-249-403-11	CARBON	68	5%	1/4W
R237	1-249-430-11	CARBON	12K	5%	1/4W
R238	1-249-419-11	CARBON	1.5K	5%	1/4W
R239	1-249-426-11	CARBON	5.6K	5%	1/4W
R240	1-249-403-11	CARBON	68	5%	1/4W
R241	1-249-403-11	CARBON	68	5%	1/4W
R242	1-249-430-11	CARBON	12K	5%	1/4W
R243	1-249-419-11	CARBON	1.5K	5%	1/4W
R244	1-249-426-11	CARBON	5.6K	5%	1/4W
R245	1-249-403-11	CARBON	68	5%	1/4W
R246	1-249-403-11	CARBON	68	5%	1/4W
R247	1-249-426-11	CARBON	5.6K	5%	1/4W
R248	1-249-419-11	CARBON	1.5K	5%	1/4W
R249	1-249-430-11	CARBON	12K	5%	1/4W
R250	1-247-807-31	CARBON	100	5%	1/4W
**********					
*	A-4390-097-A	VOLUME BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C442	1-126-963-11	ELECT	4.7uF	20%	50V
C443	1-164-159-11	CERAMIC	0.1uF		50V
C445	1-164-159-11	CERAMIC	0.1uF		50V
C492	1-126-963-11	ELECT	4.7uF	20%	50V
C495	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CNJ407	1-568-440-11	SOCKET, CONNECTOR 17P			
* CNP103	1-770-392-11	PIN, CONNECTOT (PC BOARD) 8P			
* CNP107	1-770-394-11	PIN, CONNECTOR (PC BOARD) 10P			
		< IC >			
IC403	8-759-634-51	IC M5218AP			
		< TRANSISTOR >			
Q404	8-729-141-30	TRANSISTOR 2SC3623ATP-LK			
Q406	8-729-141-30	TRANSISTOR 2SC3623ATP-LK			
Q407	8-729-141-30	TRANSISTOR 2SC3623ATP-LK			
		< RESISTOR >			
R411	1-249-441-11	CARBON	100K	5%	1/4W
R413	1-249-441-11	CARBON	100K	5%	1/4W
R414	1-249-429-11	CARBON	10K	5%	1/4W
R415	1-249-433-11	CARBON	22K	5%	1/4W
R416	1-249-413-11	CARBON	470	5%	1/4W

Ref. No.	Part No.	Description			Remark
R417	1-249-425-11	CARBON	4.7K	5%	1/4W
R418	1-249-413-11	CARBON	470	5%	1/4W
R419	1-249-425-11	CARBON	4.7K	5%	1/4W
R461	1-249-441-11	CARBON	100K	5%	1/4W
R463	1-249-441-11	CARBON	100K	5%	1/4W
R464	1-249-429-11	CARBON	10K	5%	1/4W
R465	1-249-429-11	CARBON	10K	5%	1/4W
R466	1-249-413-11	CARBON	470	5%	1/4W
R468	1-249-413-11	CARBON	470	5%	1/4W
R469	1-249-425-11	CARBON	4.7K	5%	1/4W
		< VARIABLE RESISTOR >			
RV401	1-225-281-11	RES, VAR, CARBON 100KX4 (MASTER VOLUME)			
**********					
		MISCELLANEOUS			
		**********			
11	1-773-154-11	WIRE (FLAT TYPE) (21 CORE)			
13	1-773-230-11	WIRE (FLAT TYPE) (25 CORE)			
54	1-533-399-31	HOLDER, FUSE			
66	1-769-913-11	WIRE (FLAT TYPE) (9 CORE) (DE705:US,CND)			
⚠78	1-696-847-11	CORD, POWER (AUS)			
⚠78	1-769-743-11	CORD, POWER (EXCEPT AUS)			
79	1-773-040-11	WIRE (FLAT TYPE) (17 CORE)			
⚠F801	1-533-311-11	FUSE,GLASS CYLINDRICAL (DIA.5) (8A 125V) (D650Z/DE705:US,CND)			
⚠F801	1-533-310-11	FUSE,GLASS TUBE (6.3A 125V) (D550Z/DE605)			
⚠F801	1-532-506-51	FUSE,TIME LAG (T6.3AL 250V) (DE705:AUS)			
⚠F802	1-533-311-11	FUSE,GLASS CYLINDRICAL (DIA.5) (8A 125V) (D650Z/DE705:US,CND)			
⚠F802	1-533-310-11	FUSE,GLASS TUBE (6.3A 125V) (D550Z/DE605)			
⚠F802	1-532-506-51	FUSE,TIME LAG (T6.3AL 250V) (AUS)			
⚠F803	1-576-108-11	FUSE (4A 125V) (EXCEPT AUS)			
⚠F803	1-532-504-51	FUSE,TIME LAG (T4AL 250V) (AUS)			
⚠F804	1-576-108-11	FUSE (4A 125V) (EXCEPT AUS)			
⚠F804	1-532-504-51	FUSE,TIME LAG (T4AL 250V) (AUS)			
⚠F901	1-533-311-11	FUSE,GLASS CYLINDRICAL (DIA.5) (8A 125V) (D650Z/DE705:US,CND)			
⚠F901	1-533-310-11	FUSE,GLASS TUBE (6.3A 125V) (D550Z/DE605)			
⚠F901	1-532-506-51	FUSE,TIME LAG (T6.3AL 250V) (AUS)			
⚠F902	1-532-464-51	FUSE,TIME LAG (T2.5AL 250V) (AUS)			
⚠T901	1-429-541-11	TRANSFORMER, POWER (D650Z:US/DE705:US)			
⚠T901	1-429-544-11	TRANSFORMER, POWER (DE705:AUS)			
⚠T901	1-429-564-11	TRANSFORMER, POWER (D650Z:CND/DE705:CND)			
⚠T901	1-429-608-11	TRANSFORMER, POWER (D550Z/DE605:US)			
⚠T901	1-429-609-11	TRANSFORMER, POWER (DE605:CND)			
**********					
		ACCESSORIES & PACKING MATERIALS			
		**********			
	1-473-629-11	REMOTE COMMANDER (RM-P362) (EXCEPT D550Z/DE605:US)			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
	1-473-657-11	REMOTE COMMANDER (RM-U262)	(D550Z/DE605:US)
	1-501-374-11	ANTENNA, LOOP	
	1-776-258-11	CORD, AVC CONNECTION (VIDEO CABLE)	(DE705:US,Canadian)
	1-777-172-11	CORD, CONNECTION (AUDIO CABLE)	(DE705:US,Canadian)
	3-810-765-11	MANUAL,COMMONNESS INSTRUCTION	(ENGLISH) (DE705:US)
	3-810-765-21	MANUAL,COMMONNESS INSTRUCTION (ENGLISH,FRENCH,GERMAN,SPANISH,DUTCH, SWEDISH,ITALIAN,PORTUGUESE,CHINESE)	(DE705:CND,E)
	3-856-169-12	MANUAL, INSTRUCTION (ENGLISH) (US,AUS)	
	3-856-169-21	MANUAL, INSTRUCTION (ENGLISH,FRENCH)	(CND)
	3-856-169-31	MANUAL, INSTRUCTION (ENGLISH,SPANISH,CHINESE) (E)	
	4-983-536-01	BATTERY COVER (FOR RM-P362)	(D550Z/DE605:US)
	4-983-536-01	BATTERY COVER (FOR RM-U262)	(EXCEPT D550Z/DE605:US)
*	4-982-139-02	CUSHION	
*	4-982-350-01	INDIVIDUAL CARTON (DE605)	
*	4-982-351-01	INDIVIDUAL CARTON (D550Z)	
*	4-982-358-01	INDIVIDUAL CARTON (DE705)	
*	4-982-359-01	INDIVIDUAL CARTON (D650Z)	

****

****
HARDWARE LIST
****

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 TT (B)
#2	7-682-548-04	SCREW +BVTT 3X8 (S)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

9-960-680-11

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Home A&V Products Company

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